GMT 240U

Mobile Radio
15W 450-512 MHz

The Genave GMT 240U is designed to give you maximum reliability and top quality in UHF communications at a reasonable price.

Two channel flexibility meets the requirements of most UHF business systems. Output power, at 15 watts, results in positive signal penetration even in areas of high congestion. The GMT 240U features a massive built-in heat sink which dissipates heat build up caused by prolonged use.

Adjacent channel and intermodulation rejection are maximized by an eight pole monolithic crystal filter and the FET receiver front end. The result is enhanced audio clarity and communications which are virtually interference free. This super selective receiver assures you of hearing only the channel you have selected with no interference from strong signals or adjacent channels.

Circuitry is designed to endure the roughest treatment possible. Rugged, solid state design protected by vinyl-clad aluminum cabinet covers enable the GMT 240U to deliver consistent trouble-free performance in the toughest industrial applications.

Ultra-compact, modern design permits the GMT 240U to fit easily into crowded under-dash locations, without taking up passenger space.

The GMT 240U can be equipped with a number of available features and options, all of which extend its flexibility.

The PSI-10 power supply converts the GMT 240U to an attractive desk top base station which takes up little more space than a telephone.

For portable use, the GMT 240U can be powered by an optional PSI-21 power pack.

Provisions are made within the GMT 240U for addition of an optional SA-1 subaudible tone encoder-decoder. This feature assures product compatibility with other tone systems and allows the receiver to be activated only in response to calls placed within your system.

GMT 240U MOBILE RADIO 15W 450-512 MHz

Genave

LAND MOBILE PRODUCTS ®

Genave demands top performance from every piece of equipment manufactured. Each instrument Genave fabricates, whether Land Mobile, Marine, Avionics, Amateur, or Ecom line, must meet demanding requirements before it is sold to you.

To assure quality and performance, all Genave equipment is designed with the latest and finest technical knowledge available. Each instrument is handcrafted, and upon completion, subjected to a thorough burn-in and carefully tested for precise, proper operation.

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Genave's Comline equipment includes the Alpha/12, a 12 channel aircraft communications transceiver; the Alpha/720, a synthesized 720-channel air-to-ground transceiver; and the Alpha/6, a six channel aviation band handheld transceiver.

Genave's Land Mobile equipment includes the GMT 240 high band, two channel, 40 watt transceiver; GMT 240 low band, two channel, 30 watt transceiver; GMT 240 UHF, as described on this sheet; GMT 425S, four channel, 25 watt scanner; GMT 425, four channel, 25 watt transceiver; GMT 1225R, 12 channel, 25 watt RCC; ML III, two channel, 35 watt transceiver; GHT 6, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

General Aviation Electronics, Inc.,

4141 Kingman Drive

Indianapolis, Indiana 46226

317-546-1111

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Genave ®

2/78

MADE IN USA

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm × 6.35 cm)
Over-all Dimensions:	11.5″ d × 6.5″ w × 2.5″ h; (29.21 cm × 16.51 cm × 6.35 cm)
Power Supply:	11 to 15 VDC (13.75 VDC Nom), Neg. Gnd.
Frequency Range:	450 to 512 MHz
Number of Channels:	2
Channel Separation:	1 MHz max.
Temperature Range:	−30°C to +50°C
Weight:	Approx. 6 lbs.; (2.72 kg)

RECEIVER

Sensitivity:	0.45 μV for 12 db SINAD; 0.5 μV max. for 20 db quieting
Selectivity:	±7 KHz min. at −3 db
Squelch Threshold:	0.35 μV min.
"Tight" Squelch Threshold:	2.0 μV max.
Modulation Acceptance Bandwidth:	±5 KHz min.
Adjacent Channel Rejection:	70 db min. (EIA)
Intermodulation Response:	70 db min. (EIA)
Image Response:	80 db min.
Spurious Response:	80 db min.
Audio Output Power:	5 watts min., 3.2 ohm load, less than 15% distortion
Hum and Noise Level:	45 db below rated power out
Frequency Accuracy:	±250 Hz at 25°C
Frequency Stability:	±.0005% over temperature
Circuit Type:	Dual Conversion Superheterodyne
Current Drain:	.3 amps max. squelched; 1 amp max. with 5 watts audio out

TRANSMITTER

Power Output:	15 watts min.
Output Impedance:	50 ohms nominal
Frequency Stability:	±.00025% over temperature
Frequency Accuracy:	±250 Hz
Spurious Output Level:	−56 db
Audio Modulation Deviation:	±5 KHz
Sub-Audible Tone Modulation Deviation:	±1.2 KHz max.
Current Drain:	7 amps max.

ACCESSORIES

SA-1 CTCSS sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-21 Telephone handset for use with system with CTCSS
HRF-1 Dual cavity helical resonator
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
PSI-21 Power pack for portable operation
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-4 Vehicle DC power cord with connector
LC-5 Cigarette lighter vehicle DC power cord

GENERAL
AVIATION
ELECTRONICS
INC.

Genave

4141 KINGMAN DRIVE
INDIANAPOLIS, IND. 46226
AREA 317 • 546-1111

February 20, 1978

TO: Genave Land Mobile Dealers

GMT 240U UHF TRANSCEIVER....
MORE THAN JUST ANOTHER PRETTY FACE

The radio you have waited for is a reality. It's a radio that will give you the competitive edge throughout your market place. At a list price of $495, you can go head-to-head against any of your competitors.

But price isn't its only virtue. The GMT 240U will give you an honest minimum of -70dB on intermod and adjacent channel rejection, -80dB for image and spurious attenuation. In short, it will perform as well as radios costing 50 percent more.

The GMT 240U isn't just another UHF radio. This is a radio that will behave like a champ in a crowded city environment, deliver superb performance in the country. As a Genave dealer you have a UHF that will stand out in any crowd.

Ned Gordon

E. J. Gordon
Director of Sales

nw

P.S. The GMT 240U does qualify for your 50 percent dealer demonstrator discount. For your convenience, we are enclosing a demo order form. Your demo order may be sent directly to the factory.

GENERAL
AVIATION
ELECTRONICS
INC.

Genave

4141 KINGMAN DRIVE
INDIANAPOLIS, IND. 46226
AREA 317 • 546-1111

ECOM 4 HAND HELD

AVAILABLE FOR IMMEDIATE DELIVERY

The ECOM 4 is now type accepted and available for immediate delivery on standard business frequencies. The addition of this unique four channel hand held to the ECOM line will give you the leverage you need when bottom-line numbers become important. With a suggested list price of $300, ECOM 4 will give you an advantage no one else has.

This unit is light and compact. It is perfect for use by small businesses where cost is a critical factor and by those who need portable communications without weight or bulk.

With ECOM 4 and the ECOM 220 you have solid coverage of the economy end of your market place, and can offer the cost-conscious buyer affordable communications.

THE ECOM SERIES

You won't use it in every system. But when economy really counts, specify ECOM.....

ECOM 4 -- performance in an economy hand-held

* VHF high band -- 4 channel
* Power output at 1.5w minimum
* Weighs under 2 lbs.; a compact 8 x 2 3/4 x 1 1/4
* Battery life -- 6 hr. @ 2w (90-5-5)

PLUS ECOM 220

* VHF high band -- 2 channel
* Power output 20w
* .0005% stability
* Intermod. -60 db minimum
* Compact size - 12 x 8 1/4 x 2 1/2

ECOM is designed to compete on the bottom line.....

	User Price	Dealer Price
ECOM 4	$300	$210
ECOM 220	350	225

ECOM-220

Mobile Radio

20W 143.9-173.4 MHz

The Ecom-220, VHF-FM high band transceiver combines economy and performance.

The Ecom-220 offers two channels for the flexibility of operating on two separate frequencies where radio traffic is heavy.

Twenty watts of RF output power provide that extra margin of range which assures maximum signal coverage and positive penetration even in areas of high RF congestion.

A four pole monolithic crystal filter and the MOS FET front end provide excellent adjacent channel and intermodulation rejection. Audio clarity is enhanced and communications are virtually interference free. This super selective receiver assures you of hearing only the channel you have selected, with no interference from strong signals or adjacent channels.

A front mounted speaker directs the sound right at the user. Messages are clear and intelligible, even in very noisy areas.

Adanced solid state design coupled with a single printed circuit board hold maintenance costs and down time to a minimum. This simple construction with fewer parts, also reduces production costs. Genave passes these savings on to you, thereby providing quality communications at economically affordable prices.

Solid state design also means high reliability, low current drain and reduced warm up time.

Circuitry is designed to withstand the roughest treatment possible and continue to provide outstanding performance.

Installation space in today's vehicle is at a premium. The Ecom-220 measures a slim 2.5″x8.25″x12″ and is designed to fit in crowded underdash locations without taking up a lot of leg-room or interfering with controls.

Encased in a light weight plastic cover designed to protect the transceiver from physical damage, the Ecom-220's construction is economical, yet durable.

Priced to satisfy any budget, the Ecom-220 gives you more for your communications dollar. When performance and economy are what you value most, the Ecom-220 meets your specifications.

ECOM-220 MOBILE RADIO
20W 143.9-173.4 MHz

Genave

LAND MOBILE DIVISION ®

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Genave's Land Mobile equipment includes the GMT-240 high band, two channel, 40 watt transceiver; GMT-240 low band, two channel, 30 watt transceiver; GMT-240 UHF two channel, 15 watt transceiver; GMT-425s, four channel, 25 watt scanner; GMT-425, four channel, 25 watt transceiver; GMT-1225R, 12 channel 25 watt RCC; GHT-6, six channel, 3 watt handheld transceiver; Ecom-220, as described on this sheet; and Ecom-4, four channel, 2 watt handheld transceiver.

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Genave ®

(11/77)

MADE IN USA

SPECIFICATIONS

GENERAL

Front Panel Size:	2.56″ × 8.1875″
Over-all Dimensions:	12.125″ × 8.1875″ × 2.56″
Power Supply:	13.75 VDC negative ground—min. 11.5 V
Current Drain:	6.5 amps max. xmit.—.2 amps. receive
Frequency Range:	143.9 to 173.4; 1 mHz max. two channel separation (60 KHz min.)
Number of Channels:	Two
Temperature Range:	−30 to + 60°C
Weight:	Approx. 5 lbs.

RECEIVER

Sensitivity:	.35 μV max. for 12 db SINAD; less than 0.55 μV for 20 db quieting
Selectivity:	±7.5 KHz
Squelch Threshold:	Less than 0.35 μV
Modulation Acceptance Bandwidth:	More than 5 KHz
Adjacent Channel Rejection:	40 db minimum @ ±25 EIA (55 for 20 db quieting)
Intermodulation Response:	60 db minimum (EIA)
Image Response:	60 db minimum (EIA)
Spurious Response:	60 db minimum (EIA)
Audio Output Power:	5 watts, 4 watts at 15% distortion
Hum and Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Frequency Stability:	±.001%

TRANSMITTER

Power Output:	20 watts nominal 143.9 to 160.0 MHz-20 watts 160.0 to 173.4 MHz-15 watts
Frequency Range:	143.9 to 173.4 MHz
Output Impedance:	50 ohm
Deviation:	5 KHz max.—4 KHz min.
Frequency Accuracy:	±200 Hz Subaudible deviation 1 KHz ±200 Hz Subaudible frequency tolerance ±.3 Hz
Frequency Stability:	.0005%
Transmitter Spurious:	−56 db minimum

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-20 Telephone handset for use with system without CTCSS
G-21 Telephone handset for use with system with CTCSS
GCF-11 4-pole crystal filter
L-25 Vinyl-covered helically loaded antenna with BNC connector
LC-2 Cigarette lighter vehicle DC power cord
LC-4 Vehicle DC power cord with connector
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
SP-5 Auxiliary speaker for vehicles

ECOM-220

Mobile Radio

20W 143.9-173.4 MHz

The Ecom-220, VHF-FM high band transceiver combines economy and performance.

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Circuitry is designed to withstand the roughest treatment possible and continue to provide outstanding performance.

Installation space in today's vehicle is at a premium. The Ecom-220 measures a slim 2.5″x8.25″x12″ and is designed to fit in crowded underdash locations without taking up a lot of leg-room or interfering with controls.

Encased in a light weight plastic cover designed to protect the transceiver from physical damage, the Ecom-220's construction is economical, yet durable.

Priced to satisfy any budget, the Ecom-220 gives you more for your communications dollar. When performance and economy are what you value most, the Ecom-220 meets your specifications.

ECOM-220 MOBILE RADIO 20W 143.9-173.4 MHz

Genave

LAND MOBILE DIVISION ®

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Genave's Land Mobile equipment includes the GMT-240 high band, two channel, 40 watt transceiver; GMT-240 low band, two channel, 30 watt transceiver; GMT-240 UHF two channel, 15 watt transceiver; GMT-425s, four channel, 25 watt scanner; GMT-425, four channel, 25 watt transceiver; GMT-1225R, 12 channel 25 watt RCC; GHT-6, six channel, 3 watt handheld transceiver; Ecom-220, as described on this sheet; and Ecom-4, four channel, 2 watt handheld transceiver.

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Genave ®

(11/77)

MADE IN USA

SPECIFICATIONS

GENERAL

Front Panel Size:	2.56″ × 8.1875″
Over-all Dimensions:	12.125″ × 8.1875″ × 2.56″
Power Supply:	13.75 VDC negative ground—min. 11.5 V
Current Drain:	6.5 amps max. xmit.—.2 amps. receive
Frequency Range:	143.9 to 173.4; 1 mHz max. two channel separation (60 KHz min.)
Number of Channels:	Two
Temperature Range:	−30 to + 60°C
Weight:	Approx. 5 lbs.

TRANSMITTER

Power Output:	20 watts nominal 143.9 to 160.0 MHz-20 watts 160.0 to 173.4 MHz-15 watts
Frequency Range:	143.9 to 173.4 MHz
Output Impedance:	50 ohm
Deviation:	5 KHz max.—4 KHz min.
Frequency Accuracy:	±200 Hz Subaudible deviation 1 KHz ±200 Hz Subaudible frequency tolerance ±.3 Hz
Frequency Stability:	.0005%
Transmitter Spurious:	−56 db minimum

RECEIVER

Sensitivity:	.35 μV max. for 12 db SINAD; less than 0.55 μV for 20 db quieting
Selectivity:	±7.5 KHz
Squelch Threshold:	Less than 0.35 μV
Modulation Acceptance Bandwidth:	More than 5 KHz
Adjacent Channel Rejection:	40 db minimum @ ±25 EIA (55 for 20 db quieting)
Intermodulation Response:	60 db minimum (EIA)
Image Response:	60 db minimum (EIA)
Spurious Response:	60 db minimum (EIA)
Audio Output Power:	5 watts, 4 watts at 15% distortion
Hum and Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Frequency Stability:	±.001%

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-20 Telephone handset for use with system without CTCSS
G-21 Telephone handset for use with system with CTCSS
GCF-11 4-pole crystal filter
L-25 Vinyl-covered helically loaded antenna with BNC connector
LC-2 Cigarette lighter vehicle DC power cord
LC-4 Vehicle DC power cord with connector
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
SP-5 Auxiliary speaker for vehicles

Genave®

ECOM-4

Hand Held Radio

2W 143.9-173.4 MHz

For compact size and outstanding performance, Genave's Ecom-4 is the perfect transceiver for the operator who wants a light weight, easy to operate handheld at an affordable price.

A VHF-FM high band handheld transceiver, the Ecom-4 offers four channels and 1.5 watts minimum output power, providing outstanding communications performance at a low cost.

Weighing less than two pounds, the Ecom-4 is the lightest radio on the market. The unit measures a compact 8" x 2.875" x 1.175" and is designed to fit comfortably in the palm of your hand, in a suit coat pocket or in a brief case. Carry the compact, lightweight Ecom-4 with you, wherever you go, whenever you need instant communications.

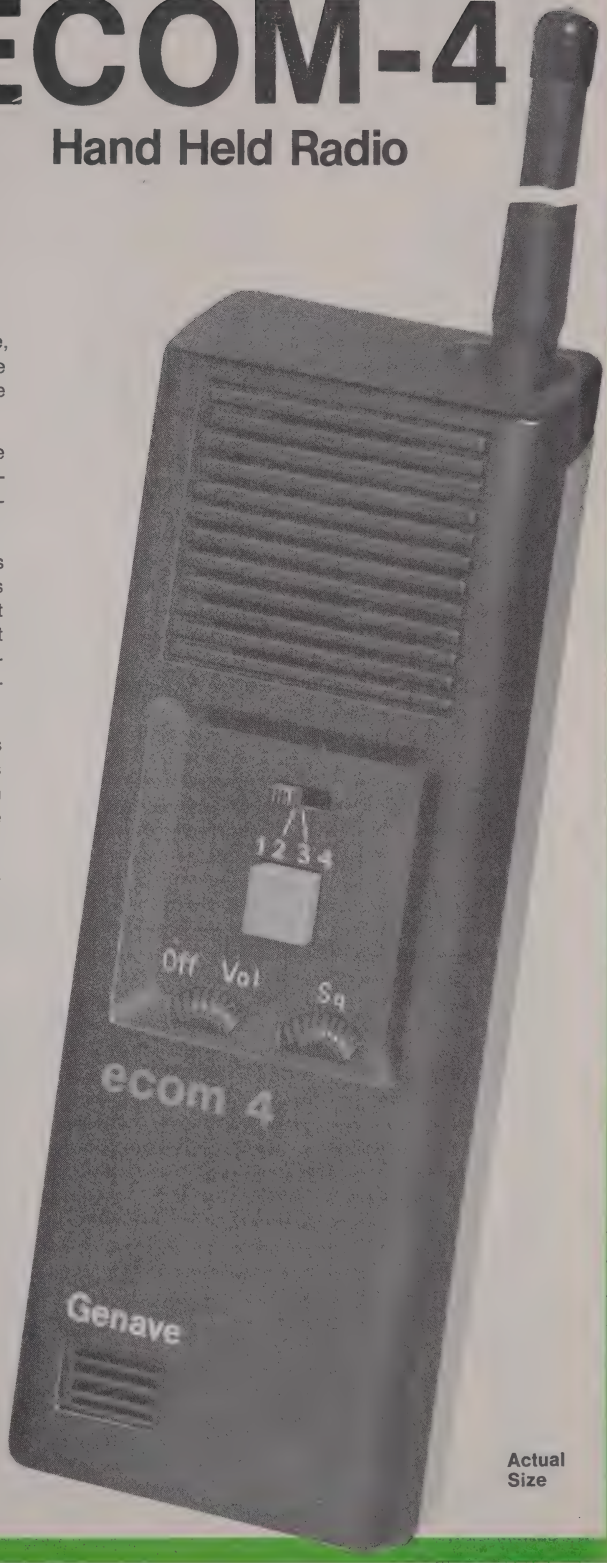
Housed in a rugged Lexan case, the Ecom-4 is designed to withstand years of rough handling. This tough, durable plastic cover protects the unit from damage while maintaining the light weight of the transceiver.

All controls are located on the front panel permitting simple, one hand operation. The recessed, low profile controls do not protrude above the radio's surface where they can catch on clothing or be knocked off.

A single, two-sided printed circuit board eliminates time consuming and costly repairs. This simple construction keeps wiring to a minimum and reduces the number of parts in the unit. Access to the circuit board is simple. Troubleshooting and replacement of components is easy.

The Ecom-4's low price is especially appealing to construction workers, survey crews or material handlers—wherever the wear and tear on a transceiver is great. Low cost enables the user to replace a severely damaged or lost Ecom-4 with a brand new unit and still save money.

Priced to satisfy any budget, the Ecom-4 gives you more from your communications dollar. When performance and economy are what you value most, the Ecom-4 meets your specifications.



Actual Size

ECOM-4 HAND HELD 2W 143.9-173.4 MHz

Genave

LAND MOBILE DIVISION

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Genave's Land Mobile equipment includes the GMT-240 high band, two channel, 40 watt transceiver; GMT-240 low band, two channel, 30 watt transceiver; GMT-240 UHF two channel, 15 watt transceiver; GMT-425s, four channel, 25 watt scanner; GMT-425, four channel, 25 watt transceiver; GMT-1225R, 12 channel 25 watt RCC; GHT-6, six channel, 3 watt handheld transceiver; Ecom-220, two channel, 20 watt transceiver; and Ecom-4, as described on this sheet.

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Genave ® (11/77)

MADE IN USA

SPECIFICATIONS

GENERAL:

Front panel size	1.7″ × 1.7″
Over-all dimensions:	8″ H × 2.875″ W × 1.175″ D
Power Supply:	6 AA Penlight Batteries—Nicad or Alkaline
Battery Oper. Time:	2 Watt 6 Hrs. (Based on 90-5-5 Duty cycle)
Frequency Range:	143.9 MHz to 173.4 MHz
Number of Channels:	4
Temperature Range:	−30°C to +60°C
Weight:	Less than 2 pounds
Channel Separation:	2 MHz maximum

TRANSMITTER:

Power Output:	2 watt (1.5 Min.)
Frequency Range:	143.9 MHz to 173.4 MHz
Output Impedance:	50 ohms nominal
Deviation:	±5 KHz maximum at 1 KHz
Frequency Stability:	±.0005%
Frequency Accuracy:	Adjustable to ± 200 Hz
Touch Tone:	External option

RECEIVER:

Sensitivity:	0.5 μv max. (12 db SINAD)
Selectivity:	±7.5 KHz nominal
Squelch Threshold:	0.5 μv maximum
Moduation acceptance Bandwidth:	±7.5 KHz maxlmum
Adjacent Channel Rejection:	−35 db maximum at 25 KHz (12 db SINAD)
	−40 db minimum at 30 KHz (12 db SINAD)
Intermodulation Response:	−45 db minimum (E.I.A. method)
Image Response:	−40 db minimum
Spurious Response:	−40 db
Audio Output Power:	0.25 watt minimum
Hum & Noise Level:	More than 35 db below 0.25 watts
Frequency Accuracy:	Adjustable withln ±500 Hz
Frequency Stability:	±.001%

Genave®

ECOM-4

Hand Held Radio

2W 143.9-173.4 MHz

For compact size and outstanding performance, Genave's Ecom-4 is the perfect transceiver for the operator who wants a light weight, easy to operate handheld at an affordable price.

A VHF-FM high band handheld transceiver, the Ecom-4 offers four channels and 1.5 watts minimum output power, providing outstanding communications performance at a low cost.

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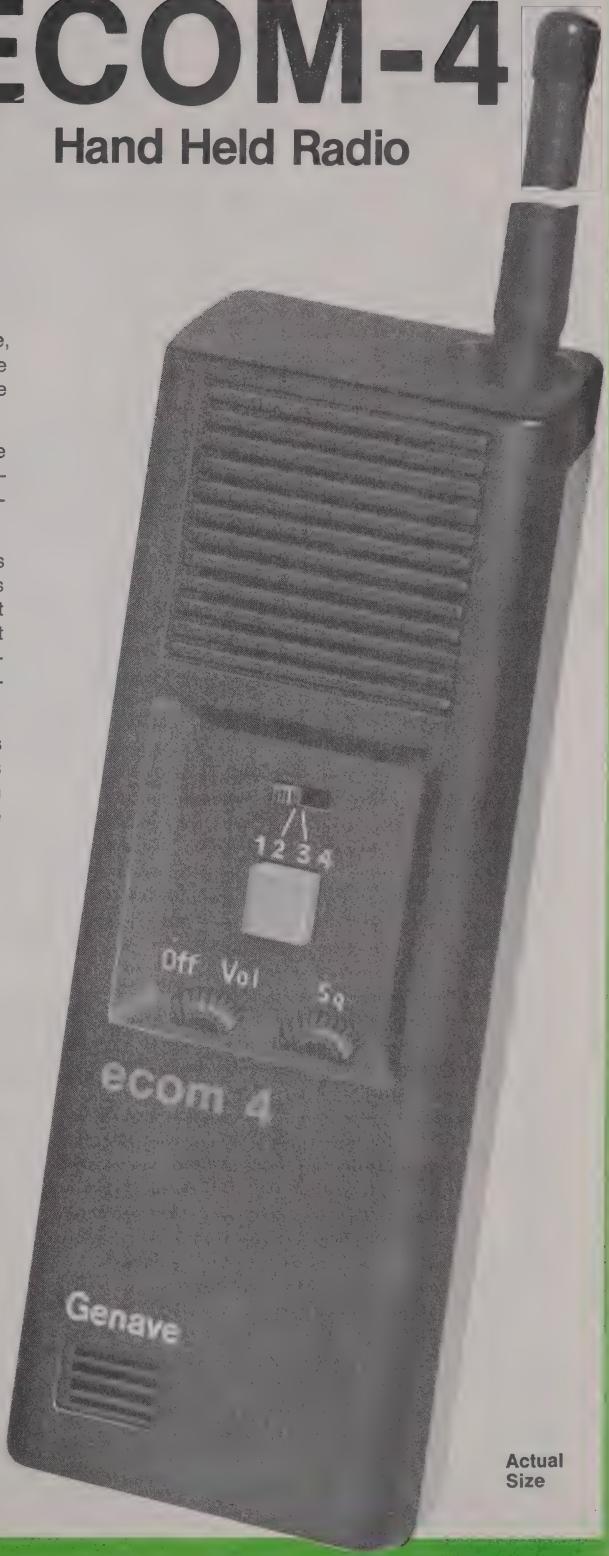

Actual Size

ECOM-4 HAND HELD 2W 143.9-173.4 MHz

Genave

LAND MOBILE DIVISION

®

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MADE IN USA

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Power Supply:	6 AA Penlight Batteries—Nicad or Alkaline
Battery Oper. Time:	2 Watt 6 Hrs. (Based on 90-5-5 Duty cycle)
Frequency Range:	143.9 MHz to 173.4 MHz
Number of Channels:	4
Temperature Range:	−30°C to +60°C
Weight:	Less than 2 pounds
Channel Separation:	2 MHz maximum

TRANSMITTER:

Power Output:	2 watt (1.5 Min.)
Frequency Range:	143.9 MHz to 173.4 MHz
Output Impedance:	50 ohms nominal
Deviation:	±5 KHz maximum at 1 KHz
Frequency Stability:	±.0005%
Frequency Accuracy:	Adjustable to ± 200 Hz
Touch Tone:	External option

RECEIVER:

Sensitivity:	0.5 μv max. (12 db SINAD)
Selectivity:	±7.5 KHz nominal
Squelch Threshold:	0.5 μv maximum
Moduation acceptance Bandwidth:	±7.5 KHz maxImum
Adjacent Channel Rejection:	−35 db maximum at 25 KHz (12 db SINAD) −40 db minimum at 30 KHz (12 db SINAD)
Intermodulation Response:	−45 db minimum (E.I.A. method)
Image Response:	−40 db minimum
Spurious Response:	−40 db
Audio Output Power:	0.25 watt minimum
Hum & Noise Level:	More than 35 db below 0.25 watts
Frequency Accuracy:	Adjustable withIn ±500 Hz
Frequency Stability:	±.001%

GMT 240H

Mobile Radio
40W 143.9-173.4 MHz

The GMT 240H gives you top quality communications at a reasonable price without compromising performance.

The GMT 240H offers two channels for the flexibility of operating on two separate frequencies where radio traffic is heavy.

Forty watts of RF output power assure maximum signal coverage and positive penetration, even in areas of high RF congestion.

An eight pole monolithic crystal filter and the MOS FET receiver front end provide excellent adjacent channel and intermodulation rejection. Audio clarity is enhanced and communications are virtually interference free. This super selective receiver assures you of hearing only the channel you have selected with no interference from strong signals or adjacent channels.

Advanced solid state design holds maintenance costs and down time to a minimum. Solid state design also means high reliability and low current drain.

Circuitry is designed to endure the roughest treatment possible and continue to provide outstanding performance.

Enclosed in a vinyl-clad, two piece wrap-around cover, designed to protect the inside components from physical damage, the GMT 240H is a sturdy, compact unit designed and manufactured to withstand the toughest kinds of operating conditions.

To meet individual user requirements, the GMT 240H can be equipped with a number of available features and options, all of which extend its flexibility.

The GMT 240H can be used as a vehicular radio. Or, with the use of the PSI-10 power supply, the GMT 240H can be used as an attractive desk top base station. The entire unit takes up little more space than a telephone.

For portable use, the GMT 240H can be powered by the optional PSI-21 power pack.

Provisions are made within the GMT 240H for addition of an optional SA-1 subaudible tone encoder-decoder. This feature assures product compatibility with other tone systems and allows the receiver to be activated only in response to calls placed within your own system.

GMT 240H MOBILE RADIO 40W 143.9-173.4 MHz

Genave

LAND MOBILE PRODUCTS

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Genave's Comline equipment includes the Alpha/12, a 12 channel aircraft communications transceiver; the Alpha/720, a synthesized 720-channel air-to-ground transceiver; and the Alpha/6, a six channel aviation band handheld transceiver.

Genave's Land Mobile equipment includes the GMT 240H, as described on this sheet; GMT 240L low band, two channel, 30 watt transceiver; GMT 240U UHF, two channel, 15 watt transceiver; GMT 425SH, four channel, 25 watt scanner; GMT 425H four channel, 25 watt transceiver; GMT 1225H, 12 channel, 25 watt RCC; GHT 6H, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

General Aviation Electronics, Inc.,

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317-546-1111

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MADE IN USA

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm × 6.35 cm)
Over-all Dimensions:	10.5″ d × 6.5″ w × 2.5″ h; (26.67 cm × 16.51 cm × 6.35 cm)
Power Supply:	13.75 VDC Neg. Gnd., 11.5 V min.
Frequency Range:	143.9 to 173.4 MHz
Number of Channels:	2
Channel Separation:	max separation 1 MHz
Temperature Range:	−30°C to +60°C
Weight:	6 lbs. approx.; (2.72 kg)

TRANSMITTER

Power Output:	40 Watts typ., 35 Watts min.
Frequency Range:	143.9 to 173.4 MHz
Output Impedance:	50 Ohm
Audio Modulation Deviation:	5 KHz max.—4 KHz min.
Frequency Accuracy:	±200 Hz
Frequency Stability:	.0005%
Current Drain:	7 Amps

RECEIVER

Sensitivity:	0.25 μV for 12 db SINAD; less than 0.5 μV for 20 db quieting
Selectivity:	±7.5 KHz
Squelch Threshold:	0.2 μV
Modulation Acceptance:	More than 5 KHz
Adjacent Channel Rejection:	70 db min. @ ±25 KHz (EIA); 85 db for 20 db quieting
Intermodulation Response:	70 db min. (EIA)
Image Response:	65 db min. (EIA); 80 db for 20 db quieting
Spurious Response:	65 db min. (EIA); 80 db for 20 db quieting
Audio Output Power:	5 watts, 4 watts @ 15% distortion
Hum & Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Frequency Stability:	.001%
Current Drain (Squelched):	0.2 Amps

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-20 Telephone handset for use with system without CTCSS
G-21 Telephone handset for use with system with CTCSS
HRF-1 Dual cavity helical resonator
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
PSI-21 Power pack for portable operation
FA-2 Selective audio amplifier with notch filter; switchable from 2805 Hz to 1500 Hz
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-4 Vehicle DC power cord with connector
LC-5 Cigarette lighter vehicle DC power cord
SP-5 Auxiliary speaker for vehicles

GMT 240H

Mobile Radio

40W 143.9-173.4 MHz

The GMT 240H gives you top quality communications at a reasonable price without compromising performance.

The GMT 240H offers two channels for the flexibility of operating on two separate frequencies where radio traffic is heavy.

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Advanced solid state design holds maintenance costs and down time to a minimum. Solid state design also means high reliability and low current drain.

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The GMT 240H can be used as a vehicular radio. Or, with the use of the PSI-10 power supply, the GMT 240H can be used as an attractive desk top base station. The entire unit takes up little more space than a telephone.

For portable use, the GMT 240H can be powered by the optional PSI-21 power pack.

Provisions are made within the GMT 240H for addition of an optional SA-1 subaudible tone encoder-decoder. This feature assures product compatibility with other tone systems and allows the receiver to be activated only in response to calls placed within your own system.

GMT 240H MOBILE RADIO 40W 143.9-173.4 MHz

Genave

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Genave's Land Mobile equipment includes the GMT 240H, as described on this sheet; GMT 240L low band, two channel, 30 watt transceiver; GMT 240U UHF, two channel, 15 watt transceiver; GMT 425SH, four channel, 25 watt scanner; GMT 425H four channel, 25 watt transceiver; GMT 1225H, 12 channel, 25 watt RCC; GHT 6H, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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MADE IN USA

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm × 6.35 cm)
Over-all Dimensions:	10.5″ d × 6.5″ w × 2.5″ h; (26.67 cm × 16.51 cm × 6.35 cm)
Power Supply:	13.75 VDC Neg. Gnd., 11.5 V min.
Frequency Range:	143.9 to 173.4 MHz
Number of Channels:	2
Channel Separation:	max separation 1 MHz
Temperature Range:	−30°C to +60°C
Weight:	6 lbs. approx.; (2.72 kg)

TRANSMITTER

Power Output:	40 Watts typ., 35 Watts min.
Frequency Range:	143.9 to 173.4 MHz
Output Impedance:	50 Ohm
Audio Modulation Deviation:	5 KHz max.—4 KHz min.
Frequency Accuracy:	±200 Hz
Frequency Stability:	.0005%
Current Drain:	7 Amps

RECEIVER

Sensitivity:	0.25 μV for 12 db SINAD; less than 0.5 μV for 20 db quieting
Selectivity:	±7.5 KHz
Squelch Threshold:	0.2 μV
Modulation Acceptance:	More than 5 KHz
Adjacent Channel Rejection:	70 db min. @ ±25 KHz (EIA); 85 db for 20 db quieting
Intermodulation Response:	70 db min. (EIA)
Image Response:	65 db min. (EIA); 80 db for 20 db quieting
Spurious Response:	65 db min. (EIA); 80 db for 20 db quieting
Audio Output Power:	5 watts, 4 watts @ 15% distortion
Hum & Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Frequency Stability:	.001%
Current Drain (Squelched):	0.2 Amps

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-20 Telephone handset for use with system without CTCSS
G-21 Telephone handset for use with system with CTCSS
HRF-1 Dual cavity helical resonator
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
PSI-21 Power pack for portable operation
FA-2 Selective audio amplifier with notch filter; switchable from 2805 Hz to 1500 Hz
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-4 Vehicle DC power cord with connector
LC-5 Cigarette lighter vehicle DC power cord
SP-5 Auxiliary speaker for vehicles

GMT 225H

Mobile Radio

25W 143.9-173.4 MHz

The GMT 225H gives you top quality communications at a reasonable price without compromising performance.

The GMT 225H offers two channels for the flexibility of operating on two separate frequencies where radio traffic is heavy.

Twenty-five watts of RF output power assure maximum signal coverage and positive penetration, even in areas of high RF congestion.

A four pole monolithic crystal filter and the MOS FET receiver front end provide excellent adjacent channel and intermodulation rejection. Audio clarity is enhanced and communications are virtually interference free. This super selective receiver assures you of hearing only the channel you have selected with no interference from strong signals or adjacent channels.

Advanced solid state design holds maintenance costs and down time to a minimum. Solid state design also means high reliability and low current drain.

Circuitry is designed to endure the roughest treatment possible and continue to provide outstanding performance.

Enclosed in a vinyl-clad, two piece wrap-around cover, designed to protect the inside components from physical damage, the GMT 225H is a sturdy, compact unit designed and manufactured to withstand the toughest kinds of operating conditions.

To meet individual user requirements, the GMT 225H can be equipped with a number of available features and options.

The GMT 225H can be used as a vehicular radio. Or, with the use of the PSI-10 power supply, the GMT 225H can be used as an attractive desk top base station. The entire unit takes up little more space than a telephone.

For portable use, the GMT 225H can be powered by the optional PSI-21 power pack.

Provisions are made within the GMT 225H for addition of an optional SA-1 subaudible tone encoder-decoder. This feature assures compatibility with other tone systems and allows the receiver to be activated only in response to calls placed within your own system.

GMT 225H MOBILE RADIO 25W 143.9-173.4 MHz

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Genave's Land Mobile equipment includes the GMT 240H high band, two channel, 40 watt transceiver; GMT 240L low band, two channel, 30 watt transceiver; GMT 240U UHF two channel, 15 watt transceiver; GMT 225H as described on this sheet; GMT 425SH, four channel, 25 watt scanner; GMT 425H, four channel, 25 watt transceiver; GMT 1225R, 12 channel, 25 watt RCC; ML III, two channel, 35 watt transceiver; GHT 6, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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(2/78)

MADE IN USA

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm × 6.35 cm)
Over-All Dimensions:	10.5″ d × 6.5″ w × 2.5″ h; (26.67 cm × 16.51 cm × 6.35 cm)
Power Supply:	13.75 VDC Neg. Gnd.; 11.5 V min.
Current Drain:	6.5 amps max. transmit, .2 amps receive
Frequency Range:	143.9 to 173.4 MHz
Number of Channels:	2
Channel Separation:	max. separation 1 MHz
Temperature Range:	−30°C to +60°C
Weight	6 lbs. approx.; (2.72 kg)

TRANSMITTER

Power Output:	25 watts typ.; 20 watts min. at 143.9 to 160.0 MHz 15 watts min. at 160.0 to 173.4 MHz
Frequency Range:	143.9 to 173.4 MHz
Output Impedance:	50 ohm
Audio Modulation Deviation:	5 KHz max.; 4 KHz min.
Frequency Accuracy:	±200 Hz
Frequency Stability:	.0005%
Transmitter Spurious:	−57 db min.

RECEIVER

Sensitivity:	.25 μV for 12 db SINAD; less than 0.5 μV for 20 db quieting
Selectivity:	±7.5 KHz
Squelch Threshold:	Less than 0.25 μV
Modulation Acceptance:	More than 5 KHz
Adjacent Channel Rejection:	40 db min. @ ±25 KHz (EIA); 55 db for 20 db quieting
Intermodulation Response:	70 db min. (EIA)
Image Response:	65 db min. (EIA); 80 db for 20 db quieting
Spurious Response:	65 db min. (EIA); 80 db for 20 db quieting
Audio Output Power:	5 watts, 4 watts @ 15% distortion
Hum and Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Frequency Stability:	±.001%

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-21 Telephone handset for use with system with CTCSS
GCF-11 4-pole crystal filter
LC-4 Vehicle DC power cord with connector
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
SP-5 Auxiliary speaker for vehicles
PSI-21 Power pack for portable operation
FA-2 Selective audio amplifier with notch filter; switchable from 2805 Hz to 1500 Hz
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-5 Cigarette lighter vehicle DC power cord
HRF-1 Dual cavity helical resonator

GMT 225H

Mobile Radio

25W 143.9-173.4 MHz

The GMT 225H gives you top quality communications at a reasonable price without compromising performance.

The GMT 225H offers two channels for the flexibility of operating on two separate frequencies where radio traffic is heavy.

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A four pole monolithic crystal filter and the MOS FET receiver front end provide excellent adjacent channel and intermodulation rejection. Audio clarity is enhanced and communications are virtually interference free. This super selective receiver assures you of hearing only the channel you have selected with no interference from strong signals or adjacent channels.

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To meet individual user requirements, the GMT 225H can be equipped with a number of available features and options.

The GMT 225H can be used as a vehicular radio. Or, with the use of the PSI-10 power supply, the GMT 225H can be used as an attractive desk top base station. The entire unit takes up little more space than a telephone.

For portable use, the GMT 225H can be powered by the optional PSI-21 power pack.

Provisions are made within the GMT 225H for addition of an optional SA-1 subaudible tone encoder-decoder. This feature assures compatibility with other tone systems and allows the receiver to be activated only in response to calls placed within your own system.

GMT 225H MOBILE RADIO 25W 143.9-173.4 MHz

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Genave's Land Mobile equipment includes the GMT 240H high band, two channel, 40 watt transceiver; GMT 240L low band, two channel, 30 watt transceiver; GMT 240U UHF two channel, 15 watt transceiver; GMT 225H as described on this sheet; GMT 425SH, four channel, 25 watt scanner; GMT 425H, four channel, 25 watt transceiver; GMT 1225R, 12 channel, 25 watt RCC; ML III, two channel, 35 watt transceiver; GHT 6, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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MADE IN US

(2/78)

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm × 6.35 cm)
Over-All Dimensions:	10.5″ d × 6.5″ w × 2.5″ h; (26.67 cm × 16.51 cm × 6.35 cm)
Power Supply:	13.75 VDC Neg. Gnd.; 11.5 V min.
Current Drain:	6.5 amps max. transmit, .2 amps receive
Frequency Range:	143.9 to 173.4 MHz
Number of Channels:	2
Channel Separation:	max. separation 1 MHz
Temperature Range:	−30°C to +60°C
Weight	6 lbs. approx.; (2.72 kg)

TRANSMITTER

Power Output:	25 watts typ.; 20 watts min. at 143.9 to 160.0 MHz 15 watts min. at 160.0 to 173.4 MHz
Frequency Range:	143.9 to 173.4 MHz
Output Impedance:	50 ohm
Audio Modulation Deviation:	5 KHz max.; 4 KHz min.
Frequency Accuracy:	±200 Hz
Frequency Stability:	.0005%
Transmitter Spurious:	−57 db min.

RECEIVER

Sensitivity:	.25 μV for 12 db SINAD; less than 0.5 μV for 20 db quieting
Selectivity:	±7.5 KHz
Squelch Threshold:	Less than 0.25 μV
Modulation Acceptance:	More than 5 KHz
Adjacent Channel Rejection:	40 db min. @ ±25 KHz (EIA); 55 db for 20 db quieting
Intermodulation Response:	70 db min. (EIA)
Image Response:	65 db min. (EIA); 80 db for 20 db quieting
Spurious Response:	65 db min. (EIA); 80 db for 20 db quieting
Audio Output Power:	5 watts, 4 watts @ 15% distortion
Hum and Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Frequency Stability:	±.001%

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-21 Telephone handset for use with system with CTCSS
GCF-11 4-pole crystal filter
LC-4 Vehicle DC power cord with connector
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
SP-5 Auxiliary speaker for vehicles
PSI-21 Power pack for portable operation
FA-2 Selective audio amplifier with notch filter; switchable from 2805 Hz to 1500 Hz
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-5 Cigarette lighter vehicle DC power cord
HRF-1 Dual cavity helical resonator

Genave GMT 425SH

Mobile Radio

25W 143.9-173.4 MHz

Genave's four channel GMT 425SH has been designed to accommodate the most complicated communications requirements.

The heart of the GMT 425SH is its four channel scanning receiver. Automatic or manual scanning with priority gives you maximum flexibility in a control station and efficient compartmentalization of mobile networks.

Output power, at 25 watts, results in positive signal penetration even in areas of high congestion. A massive built-in heat sink dissipates heat build up caused by continuous use. Transmit power output holds constant under all operating conditions.

An eight-pole monolithic crystal filter gives the GMT 425SH the selectivity required by crowded urban environments. You hear only the channel you have selected without interference from strong adjacent channel signals and off-channel transmitters.

To meet individual user requirements, the GMT 425SH can be equipped with a number of options which extend its flexibility.

The GMT 425SH can be used as a vehicular radio, or as an over the shoulder portable station. With the use of the PSI-10 power supply, the GMT 425SH can be used as an attractive desk top base station. The entire unit takes up little more space than a telephone.

Provisions are made within the GMT 425SH for the addition of the SA-1, a subaudible tone encoder-decoder. This feature assures product compatibility with other tone systems and allows the receiver to be activated only in response to calls placed within your system.

An optional 6 MHz broadband receiver front end is available for the GMT 425SH, to make possible receiving frequencies where the difference in the receive frequencies exceeds 1½ MHz.

GMT 425SH MOBILE RADIO 25W 143.9-173.4 MHz

Genave

LAND MOBILE PRODUCTS

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Genave's Land Mobile equipment includes the GMT 240H high band, two channel, 40 watt transceiver; GMT 240L low band, two channel, 30 watt transceiver; GMT 240U UHF, two channel, 15 watt transceiver; GMT 425SH, as described on this sheet; GMT 425H, four channel, 25 watt transceiver; GMT 1225H, 12 channel, 25 watt RCC; GHT 6H, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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Genave

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SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm × 6.35 cm)
Over-All Dimensions:	10.5″ d × 6.5″ w × 2.5″ h; (26.67 cm × 16.51 cm × 6.35 cm)
Power Supply:	13.75 VDC Neg. Gnd., 11.5 V min.
Frequency Range:	143.9 to 173.4 MHz
Number of Channels:	4
Channel Separation:	max separation 1 MHz; optional 6 MHz available on receive
Temperature Range:	−30°C to +60°C
Weight:	6 lbs. approx.; (2.72 kg)

TRANSMITTER

Power Output:	25 Watts typ.; 20 watts min. at 143.9 to 160.0 MHz 15 watts min. at 160.0 to 173.4 MHz
Frequency Range:	143.9 to 173.4 MHz
Output Impedance:	50 ohm
Audio Modulation Deviation:	5 KHz max.; 4 KHz min.
Frequency Accuracy:	±200 Hz
Frequency Stability:	.0005%
Current Drain:	6.5 Amps

RECEIVER

Sensitivity:	0.25 μV for 12 db SINAD; less than 0.5 μV for 20 db quieting
Selectivity:	±7.5 KHz
Squelch Threshold:	0.2 μV
Modulation Acceptance:	More than 5 KHz
Adjacent Channel Rejection:	70 db min. @ ±25 KHz (EIA); 85 db for 20 db quieting
Intermodulation Response:	70 db min. (EIA)
Image Response:	65 db min. (EIA); 80 db for 20 db quieting
Spurious Response:	65 db min. (EIA); 80 db for 20 db quieting
Audio Output Power:	5 watts, 4 watts @ 15% distortion
Hum and Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Frequency Stability:	.001%
Current Drain (Squelched):	0.2 Amps

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-20 Telephone handset for use with system without CTCSS
G-21 Telephone handset for use with system with CTCSS
HRF-1 Dual cavity helical resonator
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
PSI-21 Power pack for portable operation
GMT-BFE Broad band front end
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-4 Vehicle DC power cord with connector
LC-5 Cigarette lighter vehicle DC power cord
SP-5 Auxiliary speaker for vehicles

Genave® GMT 425SH

Mobile Radio
25W 143.9-173.4 MHz

Genave's four channel GMT 425SH has been designed to accommodate the most complicated communications requirements.

The heart of the GMT 425SH is its four channel scanning receiver. Automatic or manual scanning with priority gives you maximum flexibility in a control station and efficient compartmentalization of mobile networks.

Output power, at 25 watts, results in positive signal penetration even in areas of high congestion. A massive built-in heat sink dissipates heat build up caused by continuous use. Transmit power output holds constant under all operating conditions.

An eight-pole monolithic crystal filter gives the GMT 425SH the selectivity required by crowded urban environments. You hear only the channel you have selected without interference from strong adjacent channel signals and off-channel transmitters.

To meet individual user requirements, the GMT 425SH can be equipped with a number of options which extend its flexibility.

The GMT 425SH can be used as a vehicular radio, or as an over the shoulder portable station. With the use of the PSI-10 power supply, the GMT 425SH can be used as an attractive desk top base station. The entire unit takes up little more space than a telephone.

Provisions are made within the GMT 425SH for the addition of the SA-1, a subaudible tone encoder-decoder. This feature assures product compatibility with other tone systems and allows the receiver to be activated only in response to calls placed within your system.

An optional 6 MHz broadband receiver front end is available for the GMT 425SH, to make possible receiving frequencies where the difference in the receive frequencies exceeds 1½ MHz.

GMT 425SH MOBILE RADIO 25W 143.9-173.4 MHz

Genave

LAND MOBILE PRODUCTS ®

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To assure quality and performance, all Genave equipment is designed with the latest and finest technical knowledge available. Each instrument is handcrafted, and upon completion, subjected to a thorough burn-in and carefully tested for precise, proper operation.

All Genave electronic gear requires the same reliability as instruments fabricated for aircraft. The Genave facility is inspected by an agency of the federal government for the production of precision aircraft navigation and communications equipment. Only units manufactured by Genave meet these demanding requirements for you.

Genave's Comline equipment includes the Alpha/12, a 12 channel aircraft communications transceiver; the Alpha/720, a synthesized 720-channel air-to-ground transceiver; and the Alpha/6, a six channel aviation band handheld transceiver.

Genave's Land Mobile equipment includes the GMT 240H high band, two channel, 40 watt transceiver; GMT 240L low band, two channel, 30 watt transceiver; GMT 240U UHF, two channel, 15 watt transceiver; GMT 425SH, as described on this sheet; GMT 425H, four channel, 25 watt transceiver; GMT 1225H, 12 channel, 25 watt RCC; GHT 6H, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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MADE IN USA

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm × 6.35 cm)
Over-All Dimensions:	10.5″ d × 6.5″ w × 2.5″ h; (26.67 cm × 16.51 cm × 6.35 cm)
Power Supply:	13.75 VDC Neg. Gnd., 11.5 V min.
Frequency Range:	143.9 to 173.4 MHz
Number of Channels:	4
Channel Separation:	max separation 1 MHz; optional 6 MHz available on receive
Temperature Range:	−30°C to +60°C
Weight:	6 lbs. approx.; (2.72 kg)

TRANSMITTER

Power Output:	25 Watts typ.; 20 watts min. at 143.9 to 160.0 MHz 15 watts min. at 160.0 to 173.4 MHz
Frequency Range:	143.9 to 173.4 MHz
Output Impedance:	50 ohm
Audio Modulation Deviation:	5 KHz max.; 4 KHz min.
Frequency Accuracy:	±200 Hz
Frequency Stability:	.0005%
Current Drain:	6.5 Amps

RECEIVER

Sensitivity:	0.25 μV for 12 db SINAD; less than 0.5 μV for 20 db quieting
Selectivity:	±7.5 KHz
Squelch Threshold:	0.2 μV
Modulation Acceptance:	More than 5 KHz
Adjacent Channel Rejection:	70 db min. @ ±25 KHz (EIA); 85 db for 20 db quieting
Intermodulation Response:	70 db min. (EIA)
Image Response:	65 db min. (EIA); 80 db for 20 db quieting
Spurious Response:	65 db min. (EIA); 80 db for 20 db quieting
Audio Output Power:	5 watts, 4 watts @ 15% distortion
Hum and Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Frequency Stability:	.001%
Current Drain (Squelched):	0.2 Amps

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-20 Telephone handset for use with system without CTCSS
G-21 Telephone handset for use with system with CTCSS
HRF-1 Dual cavity helical resonator
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
PSI-21 Power pack for portable operation
GMT-BFE Broad band front end
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-4 Vehicle DC power cord with connector
LC-5 Cigarette lighter vehicle DC power cord
SP-5 Auxiliary speaker for vehicles

ML III

Mobile Radio

35W 25-50 MHz

The ML III low band VHF-FM radio gives you top quality communications at a reasonable price without compromising performance.

The ML III has two channel flexibility and 35 watts of RF output power, ensuring positive communications over extended distances, without fading or drop-out.

Circuitry is designed to endure the roughest treatment possible and continue to provide outstanding performance, even in severe agricultural and off-road environments.

Advanced solid state design holds maintenance costs and down time to a minimum. Solid state design also means high reliability and low current drain.

Vinyl-clad, wrap-around covers protect the inside components from physical damage, dust and moisture. Compact size results in mobile installations which are neat, clean and out of the way.

The ML III can be equipped with a number of available accessories and options.

With the addition of the PSI-10 power supply, the ML III can be used as an attractive desk top base station. The entire unit takes up little more space than a telephone.

For portable use, the ML III can be powered by the optional PSI-21 power pack.

Provisions are made within the ML III for addition of an optional SA-1 subaudible tone encoder-decoder. This feature assures product compatibility with other tone systems and allows the receiver to be activated only in response to calls placed within your own system.

ML III

MOBILE RADIO
35W 25-50 MHz

Genave

LAND MOBILE PRODUCTS ®

Genave demands top performance from every piece of equipment manufactured. Each instrument Genave fabricates, whether Land Mobile, Marine, Avionics, Amateur, or Ecom line, must meet demanding requirements before it is sold to you.

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Genave's Comline equipment includes the Alpha/12, a 12 channel aircraft communications transceiver; the Alpha/720, a synthesized 720-channel air-to-ground transceiver; and the Alpha/6, a six channel aviation band handheld transceiver.

Genave's Land Mobile equipment includes the GMT 240 high band, two channel, 40 watt transceiver; GMT 240 low band, two channel, 30 watt transceiver; GMT 240 UHF two channel, 15 watt transceiver; GMT 425S, four channel, 25 watt scanner; GMT 425, four channel, 25 watt transceiver; GMT 1225R, 12 channel, 25 watt RCC; ML III as described on this sheet; GHT 6, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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Genave ®

2/78

MADE IN US

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm ×6.35 cm)
Over-all Dimensions:	6.5″ W × 2.5″ H × 11.5″ D; (16.51 cm × 6.35 cm × 29.21 cm)
Power Supply:	13.75 VDC
Current Drain:	7 amps max. transmit; .16 amp max squelched receive
Frequency Range:	Three ranges available: 29-34 MHz, 34-41 MHz, 41-50 MHz; (Only one range per unit)
Number of Channels:	2
Channel Separation:	3% of highest frequency installed
Temperature Range:	−30° to +60°C
Weight:	3 lbs. approx.; (1.361 kg)

TRANSMITTER

Frequency Range:	25-50 MHz
Power Output:	35 watts nom., 30 watts min.
Output Impedance:	50 ohms
Audio Modulation Deviation:	5 KHz max. 4 KHz min.
Frequency Stability:	±.002% max.
Frequency Accuracy:	±500 Hz Subaudible deviation 1 KHz ±100 Hz Subaudible frequency tolerance ±.3 Hz max.

RECEIVER

Sensitivity:	.25 μV for 12 db SINAD; .3 μV for 20 db quieting
Selectivity:	±5 KHz, 3 db or less
Squelch Threshold:	.2 μV max.
Frequency Stability:	±.002%
Modulation Acceptance:	±5 KHz min.
Adjacent Channel Rejection:	50 db for 20 db quieting (30 KHz)
Image Response:	More than 65 db
Intermodulation Response:	60 db EIA
Hum and Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Spurious Response:	More than 70 db
Audio Output Power:	1.5 watt @ 15% distortion
Subaudible Squelch Threshold:	.25 μV with 600 Hz deviation
Subaudible Squelch Bandwidth:	±1% min.; ±3% max. with 900 Hz deviation

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-21 Telephone handset for use with system with CTCSS
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
PSI-21 Power pack for portable operation
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-1 Vehicle DC power cord
LC-2 Cigarette lighter vehicle DC power cord
SP-5 Auxiliary speaker for vehicles

ML III

Mobile Radio

35W 25-50 MHz

The ML III low band VHF-FM radio gives you top quality communications at a reasonable price without compromising performance.

The ML III has two channel flexibility and 35 watts of RF output power, ensuring positive communications over extended distances, without fading or drop-out.

Circuitry is designed to endure the roughest treatment possible and continue to provide outstanding performance, even in severe agricultural and off-road environments.

Advanced solid state design holds maintenance costs and down time to a minimum. Solid state design also means high reliability and low current drain.

Vinyl-clad, wrap-around covers protect the inside components from physical damage, dust and moisture. Compact size results in mobile installations which are neat, clean and out of the way.

The ML III can be equipped with a number of available accessories and options.

With the addition of the PSI-10 power supply, the ML III can be used as an attractive desk top base station. The entire unit takes up little more space than a telephone.

For portable use, the ML III can be powered by the optional PSI-21 power pack.

Provisions are made within the ML III for addition of an optional SA-1 subaudible tone encoder-decoder. This feature assures product compatibility with other tone systems and allows the receiver to be activated only in response to calls placed within your own system.

ML III

MOBILE RADIO
35W 25-50 MHz

Genave

LAND MOBILE PRODUCTS

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Genave's Comline equipment includes the Alpha/12, a 12 channel aircraft communications transceiver; the Alpha/720, a synthesized 720-channel air-to-ground transceiver; and the Alpha/6, a six channel aviation band handheld transceiver.

Genave's Land Mobile equipment includes the GMT 240 high band, two channel, 40 watt transceiver; GMT 240 low band, two channel, 30 watt transceiver; GMT 240 UHF two channel, 15 watt transceiver; GMT 425S, four channel, 25 watt scanner; GMT 425, four channel, 25 watt transceiver; GMT 1225R, 12 channel, 25 watt RCC; ML III as described on this sheet; GHT 6, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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MADE IN US

2/78

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm ×6.35 cm)
Over-all Dimensions:	6.5″ W × 2.5″ H × 11.5″ D; (16.51 cm × 6.35 cm × 29.21 cm)
Power Supply:	13.75 VDC
Current Drain:	7 amps max. transmit; .16 amp max squelched receive
Frequency Range:	Three ranges available: 29-34 MHz, 34-41 MHz, 41-50 MHz; (Only one range per unit)
Number of Channels:	2
Channel Separation:	3% of highest frequency installed
Temperature Range:	−30° to +60°C
Weight:	3 lbs. approx.; (1.361 kg)

TRANSMITTER

Frequency Range:	25-50 MHz
Power Output:	35 watts nom., 30 watts min.
Output Impedance:	50 ohms
Audio Modulation Deviation:	5 KHz max. 4 KHz min.
Frequency Stability:	±.002% max.
Frequency Accuracy:	±500 Hz Subaudible deviation 1 KHz ±100 Hz Subaudible frequency tolerance ±.3 Hz max.

RECEIVER

Sensitivity:	.25 μV for 12 db SINAD; .3 μV for 20 db quieting
Selectivity:	±5 KHz, 3 db or less
Squelch Threshold:	.2 μV max.
Frequency Stability:	±.002%
Modulation Acceptance:	±5 KHz min.
Adjacent Channel Rejection:	50 db for 20 db quieting (30 KHz)
Image Response:	More than 65 db
Intermodulation Response:	60 db EIA
Hum and Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Spurious Response:	More than 70 db
Audio Output Power:	1.5 watt @ 15% distortion
Subaudible Squelch Threshold:	.25 μV with 600 Hz deviation
Subaudible Squelch Bandwidth:	±1% min.; ±3% max. with 900 Hz deviation

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-21 Telephone handset for use with system with CTCSS
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
PSI-21 Power pack for portable operation
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-1 Vehicle DC power cord
LC-2 Cigarette lighter vehicle DC power cord
SP-5 Auxiliary speaker for vehicles

ML III

Mobile Radio

35W 25-50 MHz

The ML III low band VHF-FM radio gives you top quality communications at a reasonable price without compromising performance.

The ML III has two channel flexibility and 35 watts of RF output power, ensuring positive communications over extended distances, without fading or drop-out.

Circuitry is designed to endure the roughest treatment possible and continue to provide outstanding performance, even in severe agricultural and off-road environments.

Advanced solid state design holds maintenance costs and down time to a minimum. Solid state design also means high reliability and low current drain.

Vinyl-clad, wrap-around covers protect the inside components from physical damage, dust and moisture. Compact size results in mobile installations which are neat, clean and out of the way.

The ML III can be equipped with a number of available accessories and options.

With the addition of the PSI-10 power supply, the ML III can be used as an attractive desk top base station. The entire unit takes up little more space than a telephone.

For portable use, the ML III can be powered by the optional PSI-21 power pack.

Provisions are made within the ML III for addition of an optional SA-1 subaudible tone encoder-decoder. This feature assures product compatibility with other tone systems and allows the receiver to be activated only in response to calls placed within your own system.

ML III

MOBILE RADIO
35W 25-50 MHz

Genave

LAND MOBILE PRODUCTS

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Genave's Comline equipment includes the Alpha/12, a 12 channel aircraft communications transceiver; the Alpha/720, a synthesized 720-channel air-to-ground transceiver; and the Alpha/6, a six channel aviation band handheld transceiver.

Genave's Land Mobile equipment includes the GMT 240 high band, two channel, 40 watt transceiver; GMT 240 low band, two channel, 30 watt transceiver; GMT 240 UHF two channel, 15 watt transceiver; GMT 425S, four channel, 25 watt scanner; GMT 425, four channel, 25 watt transceiver; GMT 1225R, 12 channel, 25 watt RCC; ML III as described on this sheet; GHT 6, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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Genave ®

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MADE IN US

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm ×6.35 cm)
Over-all Dimensions:	6.5″ W × 2.5″ H × 11.5″ D; (16.51 cm × 6.35 cm × 29.21 cm)
Power Supply:	13.75 VDC
Current Drain:	7 amps max. transmit; .16 amp max squelched receive
Frequency Range:	Three ranges available: 29-34 MHz, 34-41 MHz, 41-50 MHz; (Only one range per unit)
Number of Channels:	2
Channel Separation:	3% of highest frequency installed
Temperature Range:	−30° to +60°C
Weight:	3 lbs. approx.; (1.361 kg)

TRANSMITTER

Frequency Range:	25-50 MHz
Power Output:	35 watts nom., 30 watts min.
Output Impedance:	50 ohms
Audio Modulation Deviation:	5 KHz max. 4 KHz min.
Frequency Stability:	±.002% max.
Frequency Accuracy:	±500 Hz Subaudible deviation 1 KHz ±100 Hz Subaudible frequency tolerance ±.3 Hz max.

RECEIVER

Sensitivity:	.25 μV for 12 db SINAD; .3 μV for 20 db quieting
Selectivity:	±5 KHz, 3 db or less
Squelch Threshold:	.2 μV max.
Frequency Stability:	±.002%
Modulation Acceptance:	±5 KHz min.
Adjacent Channel Rejection:	50 db for 20 db quieting (30 KHz)
Image Response:	More than 65 db
Intermodulation Response:	60 db EIA
Hum and Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Spurious Response:	More than 70 db
Audio Output Power:	1.5 watt @ 15% distortion
Subaudible Squelch Threshold:	.25 μV with 600 Hz deviation
Subaudible Squelch Bandwidth:	±1% min.; ±3% max. with 900 Hz deviation

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-21 Telephone handset for use with system with CTCSS
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
PSI-21 Power pack for portable operation
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-1 Vehicle DC power cord
LC-2 Cigarette lighter vehicle DC power cord
SP-5 Auxiliary speaker for vehicles

GMT 240U

Mobile Radio
15W 450-512 MHz

The Genave GMT 240U is designed to give you maximum reliability and top quality in UHF communications at a reasonable price.

Two channel flexibility meets the requirements of most UHF business systems. Output power, at 15 watts, results in positive signal penetration even in areas of high congestion. The GMT 240U features a massive built-in heat sink which dissipates heat build up caused by prolonged use.

Adjacent channel and intermodulation rejection are maximized by an eight pole monolithic crystal filter and the FET receiver front end. The result is enhanced audio clarity and communications which are virtually interference free. This super selective receiver assures you of hearing only the channel you have selected with no interference from strong signals or adjacent channels.

Circuitry is designed to endure the roughest treatment possible. Rugged, solid state design protected by vinyl-clad aluminum cabinet covers enable the GMT 240U to deliver consistent trouble-free performance in the toughest industrial applications.

Ultra-compact, modern design permits the GMT 240U to fit easily into crowded under-dash locations, without taking up passenger space.

The GMT 240U can be equipped with a number of available features and options, all of which extend its flexibility.

The PSI-10 power supply converts the GMT 240U to an attractive desk top base station which takes up little more space than a telephone.

For portable use, the GMT 240U can be powered by an optional PSI-21 power pack.

Provisions are made within the GMT 240U for addition of an optional SA-1 subaudible tone encoder-decoder. This feature assures product compatibility with other tone systems and allows the receiver to be activated only in response to calls placed within your system.

GMT 240U MOBILE RADIO 15W 450-512 MHz

Genave

LAND MOBILE PRODUCTS ®

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Genave's Comline equipment includes the Alpha/12, a 12 channel aircraft communications transceiver; the Alpha/720, a synthesized 720-channel air-to-ground transceiver; and the Alpha/6, a six channel aviation band handheld transceiver.

Genave's Land Mobile equipment includes the GMT 240 high band, two channel, 40 watt transceiver; GMT 240 low band, two channel, 30 watt transceiver; GMT 240 UHF, as described on this sheet; GMT 425S, four channel, 25 watt scanner; GMT 425, four channel, 25 watt transceiver; GMT 1225R, 12 channel, 25 watt RCC; ML III, two channel, 35 watt transceiver; GHT 6, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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MADE IN US

2/78

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm × 6.35 cm)
Over-all Dimensions:	11.5″ d × 6.5″ w × 2.5″ h; (29.21 cm × 16.51 cm × 6.35 cm)
Power Supply:	11 to 15 VDC (13.75 VDC Nom), Neg. Gnd.
Frequency Range:	450 to 512 MHz
Number of Channels:	2
Channel Separation:	1 MHz max.
Temperature Range:	−30°C to +50°C
Weight:	Approx. 6 lbs.; (2.72 kg)

RECEIVER

Sensitivity:	0.45 μV for 12 db SINAD; 0.5 μV max. for 20 db quieting
Selectivity:	±7 KHz min. at −3 db
Squelch Threshold:	0.35 μV min.
"Tight" Squelch Threshold:	2.0 μV max.
Modulation Acceptance Bandwidth:	±5 KHz min.
Adjacent Channel Rejection:	70 db min. (EIA)
Intermodulation Response:	70 db min. (EIA)
Image Response:	80 db min.
Spurious Response:	80 db min.
Audio Output Power:	5 watts min., 3.2 ohm load, less than 15% distortion
Hum and Noise Level:	45 db below rated power out
Frequency Accuracy:	±250 Hz at 25°C
Frequency Stability:	±.0005% over temperature
Circuit Type:	Dual Conversion Superheterodyne
Current Drain:	.3 amps max. squelched; 1 amp max. with 5 watts audio out

TRANSMITTER

Power Output:	15 watts min.
Output Impedance:	50 ohms nominal
Frequency Stability:	±.00025% over temperature
Frequency Accuracy:	±250 Hz
Spurious Output Level:	−56 db
Audio Modulation Deviation:	±5 KHz
Sub-Audible Tone Modulation Deviation:	±1.2 KHz max.
Current Drain:	7 amps max.

ACCESSORIES

SA-1 CTCSS sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-21 Telephone handset for use with system with CTCSS
HRF-1 Dual cavity helical resonator
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
PSI-21 Power pack for portable operation
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-4 Vehicle DC power cord with connector
LC-5 Cigarette lighter vehicle DC power cord

GMT 240U

Mobile Radio
15W 450-512 MHz

The Genave GMT 240U is designed to give you maximum reliability and top quality in UHF communications at a reasonable price.

Two channel flexibility meets the requirements of most UHF business systems. Output power, at 15 watts, results in positive signal penetration even in areas of high congestion. The GMT 240U features a massive built-in heat sink which dissipates heat build up caused by prolonged use.

Adjacent channel and intermodulation rejection are maximized by an eight pole monolithic crystal filter and the FET receiver front end. The result is enhanced audio clarity and communications which are virtually interference free. This super selective receiver assures you of hearing only the channel you have selected with no interference from strong signals or adjacent channels.

Circuitry is designed to endure the roughest treatment possible. Rugged, solid state design protected by vinyl-clad aluminum cabinet covers enable the GMT 240U to deliver consistent trouble-free performance in the toughest industrial applications.

Ultra-compact, modern design permits the GMT 240U to fit easily into crowded under-dash locations, without taking up passenger space.

The GMT 240U can be equipped with a number of available features and options, all of which extend its flexibility.

The PSI-10 power supply converts the GMT 240U to an attractive desk top base station which takes up little more space than a telephone.

For portable use, the GMT 240U can be powered by an optional PSI-21 power pack.

Provisions are made within the GMT 240U for addition of an optional SA-1 subaudible tone encoder-decoder. This feature assures product compatibility with other tone systems and allows the receiver to be activated only in response to calls placed within your system.

GMT 240U MOBILE RADIO 15W 450-512 MHz

Genave

LAND MOBILE PRODUCTS

®

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Genave's Comline equipment includes the Alpha/12, a 12 channel aircraft communications transceiver; the Alpha/720, a synthesized 720-channel air-to-ground transceiver; and the Alpha/6, a six channel aviation band handheld transceiver.

Genave's Land Mobile equipment includes the GMT 240 high band, two channel, 40 watt transceiver; GMT 240 low band, two channel, 30 watt transceiver; GMT 240 UHF, as described on this sheet; GMT 425S, four channel, 25 watt scanner; GMT 425, four channel, 25 watt transceiver; GMT 1225R, 12 channel, 25 watt RCC; ML III, two channel, 35 watt transceiver; GHT 6, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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317-546-1111

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MADE IN USA

2/78

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm × 6.35 cm)
Over-all Dimensions:	11.5″ d × 6.5″ w × 2.5″ h; (29.21 cm × 16.51 cm × 6.35 cm)
Power Supply:	11 to 15 VDC (13.75 VDC Nom), Neg. Gnd.
Frequency Range:	450 to 512 MHz
Number of Channels:	2
Channel Separation:	1 MHz max.
Temperature Range:	−30°C to +50°C
Weight:	Approx. 6 lbs.; (2.72 kg)

RECEIVER

Sensitivity:	0.45 μV for 12 db SINAD; 0.5 μV max. for 20 db quieting
Selectivity:	±7 KHz min. at −3 db
Squelch Threshold:	0.35 μV min.
"Tight" Squelch Threshold:	2.0 μV max.
Modulation Acceptance Bandwidth:	±5 KHz min.
Adjacent Channel Rejection:	70 db min. (EIA)
Intermodulation Response:	70 db min. (EIA)
Image Response:	80 db min.
Spurious Response:	80 db min.
Audio Output Power:	5 watts min., 3.2 ohm load, less than 15% distortion
Hum and Noise Level:	45 db below rated power out
Frequency Accuracy:	±250 Hz at 25°C
Frequency Stability:	±.0005% over temperature
Circuit Type:	Dual Conversion Superheterodyne
Current Drain:	.3 amps max. squelched; 1 amp max. with 5 watts audio out

TRANSMITTER

Power Output:	15 watts min.
Output Impedance:	50 ohms nominal
Frequency Stability:	±.00025% over temperature
Frequency Accuracy:	±250 Hz
Spurious Output Level:	−56 db
Audio Modulation Deviation:	±5 KHz
Sub-Audible Tone Modulation Deviation:	±1.2 KHz max.
Current Drain:	7 amps max.

ACCESSORIES

SA-1 CTCSS sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-21 Telephone handset for use with system with CTCSS
HRF-1 Dual cavity helical resonator
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
PSI-21 Power pack for portable operation
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-4 Vehicle DC power cord with connector
LC-5 Cigarette lighter vehicle DC power cord

GMT 240U

Mobile Radio
15W 450-512 MHz

The Genave GMT 240U is designed to give you maximum reliability and top quality in UHF communications at a reasonable price.

Two channel flexibility meets the requirements of most UHF business systems. Output power, at 15 watts, results in positive signal penetration even in areas of high congestion. The GMT 240U features a massive built-in heat sink which dissipates heat build up caused by prolonged use.

Adjacent channel and intermodulation rejection are maximized by an eight pole monolithic crystal filter and the FET receiver front end. The result is enhanced audio clarity and communications which are virtually interference free. This super selective receiver assures you of hearing only the channel you have selected with no interference from strong signals or adjacent channels.

Circuitry is designed to endure the roughest treatment possible. Rugged, solid state design protected by vinyl-clad aluminum cabinet covers enable the GMT 240U to deliver consistent trouble-free performance in the toughest industrial applications.

Ultra-compact, modern design permits the GMT 240U to fit easily into crowded under-dash locations, without taking up passenger space.

The GMT 240U can be equipped with a number of available features and options, all of which extend its flexibility.

The PSI-10 power supply converts the GMT 240U to an attractive desk top base station which takes up little more space than a telephone.

For portable use, the GMT 240U can be powered by an optional PSI-21 power pack.

Provisions are made within the GMT 240U for addition of an optional SA-1 subaudible tone encoder-decoder. This feature assures product compatibility with other tone systems and allows the receiver to be activated only in response to calls placed within your system.

GMT 240U MOBILE RADIO 15W 450-512 MHz

Genave

LAND MOBILE PRODUCTS

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To assure quality and performance, all Genave equipment is designed with the latest and finest technical knowledge available. Each instrument is handcrafted, and upon completion, subjected to a thorough burn-in and carefully tested for precise, proper operation.

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Genave's Comline equipment includes the Alpha/12, a 12 channel aircraft communications transceiver; the Alpha/720, a synthesized 720-channel air-to-ground transceiver; and the Alpha/6, a six channel aviation band handheld transceiver.

Genave's Land Mobile equipment includes the GMT 240 high band, two channel, 40 watt transceiver; GMT 240 low band, two channel, 30 watt transceiver; GMT 240 UHF, as described on this sheet; GMT 425S, four channel, 25 watt scanner; GMT 425, four channel, 25 watt transceiver; GMT 1225R, 12 channel, 25 watt RCC; ML III, two channel, 35 watt transceiver; GHT 6, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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Genave ® 2/78

MADE IN USA

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm × 6.35 cm)
Over-all Dimensions:	11.5″ d × 6.5″ w × 2.5″ h; (29.21 cm × 16.51 cm × 6.35 cm)
Power Supply:	11 to 15 VDC (13.75 VDC Nom), Neg. Gnd.
Frequency Range:	450 to 512 MHz
Number of Channels:	2
Channel Separation:	1 MHz max.
Temperature Range:	−30°C to +50°C
Weight:	Approx. 6 lbs.; (2.72 kg)

RECEIVER

Sensitivity:	0.45 μV for 12 db SINAD; 0.5 μV max. for 20 db quieting
Selectivity:	±7 KHz min. at −3 db
Squelch Threshold:	0.35 μV min.
"Tight" Squelch Threshold:	2.0 μV max.
Modulation Acceptance Bandwidth:	±5 KHz min.
Adjacent Channel Rejection:	70 db min. (EIA)
Intermodulation Response:	70 db min. (EIA)
Image Response:	80 db min.
Spurious Response:	80 db min.
Audio Output Power:	5 watts min., 3.2 ohm load, less than 15% distortion
Hum and Noise Level:	45 db below rated power out
Frequency Accuracy:	±250 Hz at 25°C
Frequency Stability:	±.0005% over temperature
Circuit Type:	Dual Conversion Superheterodyne
Current Drain:	.3 amps max. squelched; 1 amp max. with 5 watts audio out

TRANSMITTER

Power Output:	15 watts min.
Output Impedance:	50 ohms nominal
Frequency Stability:	±.00025% over temperature
Frequency Accuracy:	±250 Hz
Spurious Output Level:	−56 db
Audio Modulation Deviation:	±5 KHz
Sub-Audible Tone Modulation Deviation:	±1.2 KHz max.
Current Drain:	7 amps max.

ACCESSORIES

SA-1 CTCSS sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-21 Telephone handset for use with system with CTCSS
HRF-1 Dual cavity helical resonator
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
PSI-21 Power pack for portable operation
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-4 Vehicle DC power cord with connector
LC-5 Cigarette lighter vehicle DC power cord

GMT 225H

Mobile Radio

25W 143.9-173.4 MHz

The GMT 225H gives you top quality communications at a reasonable price without compromising performance.

The GMT 225H offers two channels for the flexibility of operating on two separate frequencies where radio traffic is heavy.

Twenty-five watts of RF output power assure maximum signal coverage and positive penetration, even in areas of high RF congestion.

A four pole monolithic crystal filter and the MOS FET receiver front end provide excellent adjacent channel and intermodulation rejection. Audio clarity is enhanced and communications are virtually interference free. This super selective receiver assures you of hearing only the channel you have selected with no interference from strong signals or adjacent channels.

Advanced solid state design holds maintenance costs and down time to a minimum. Solid state design also means high reliability and low current drain.

Circuitry is designed to endure the roughest treatment possible and continue to provide outstanding performance.

Enclosed in a vinyl-clad, two piece wrap-around cover, designed to protect the inside components from physical damage, the GMT 225H is a sturdy, compact unit designed and manufactured to withstand the toughest kinds of operating conditions.

To meet individual user requirements, the GMT 225H can be equipped with a number of available features and options.

The GMT 225H can be used as a vehicular radio. Or, with the use of the PSI-10 power supply, the GMT 225H can be used as an attractive desk top base station. The entire unit takes up little more space than a telephone.

For portable use, the GMT 225H can be powered by the optional PSI-21 power pack.

Provisions are made within the GMT 225H for addition of an optional SA-1 subaudible tone encoder-decoder. This feature assures compatibility with other tone systems and allows the receiver to be activated only in response to calls placed within your own system.

GMT 225H MOBILE RADIO 25W 143.9-173.4 MHz

Genave LAND MOBILE PRODUCTS ®

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Genave's Comline equipment includes the Alpha/12, a 12 channel aircraft communications transceiver; the Alpha/720, a synthesized 720-channel air-to-ground transceiver; and the Alpha/6, a six channel aviation band handheld transceiver.

Genave's Land Mobile equipment includes the GMT 240H high band, two channel, 40 watt transceiver; GMT 240L low band, two channel, 30 watt transceiver; GMT 240U UHF two channel, 15 watt transceiver; GMT 225H as described on this sheet; GMT 425SH, four channel, 25 watt scanner; GMT 425H, four channel, 25 watt transceiver; GMT 1225R, 12 channel, 25 watt RCC; ML III, two channel, 35 watt transceiver; GHT 6, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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MADE IN US

(2/78)

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm × 6.35 cm)
Over-All Dimensions:	10.5″ d × 6.5″ w × 2.5″ h; (26.67 cm × 16.51 cm × 6.35 cm)
Power Supply:	13.75 VDC Neg. Gnd.; 11.5 V min.
Current Drain:	6.5 amps max. transmit, .2 amps receive
Frequency Range:	143.9 to 173.4 MHz
Number of Channels:	2
Channel Separation:	max. separation 1 MHz
Temperature Range:	−30°C to +60°C
Weight	6 lbs. approx.; (2.72 kg)

TRANSMITTER

Power Output:	25 watts typ.; 20 watts min. at 143.9 to 160.0 MHz 15 watts min. at 160.0 to 173.4 MHz
Frequency Range:	143.9 to 173.4 MHz
Output Impedance:	50 ohm
Audio Modulation Deviation:	5 KHz max.; 4 KHz min.
Frequency Accuracy:	±200 Hz
Frequency Stability:	.0005%
Transmitter Spurious:	−57 db min.

RECEIVER

Sensitivity:	.25 μV for 12 db SINAD; less than 0.5 μV for 20 db quieting
Selectivity:	±7.5 KHz
Squelch Threshold:	Less than 0.25 μV
Modulation Acceptance:	More than 5 KHz
Adjacent Channel Rejection:	40 db min. @ ±25 KHz (EIA); 55 db for 20 db quieting
Intermodulation Response:	70 db min. (EIA)
Image Response:	65 db min. (EIA); 80 db for 20 db quieting
Spurious Response:	65 db min. (EIA); 80 db for 20 db quieting
Audio Output Power:	5 watts, 4 watts @ 15% distortion
Hum and Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Frequency Stability:	±.001%

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-21 Telephone handset for use with system with CTCSS
GCF-11 4-pole crystal filter
LC-4 Vehicle DC power cord with connector
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
SP-5 Auxiliary speaker for vehicles
PSI-21 Power pack for portable operation
FA-2 Selective audio amplifier with notch filter; switchable from 2805 Hz to 1500 Hz
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-5 Cigarette lighter vehicle DC power cord
HRF-1 Dual cavity helical resonator

Genave GMT 425SH

Mobile Radio
25W 143.9-173.4 MHz

Genave's four channel GMT 425SH has been designed to accommodate the most complicated communications requirements.

The heart of the GMT 425SH is its four channel scanning receiver. Automatic or manual scanning with priority gives you maximum flexibility in a control station and efficient compartmentalization of mobile networks.

Output power, at 25 watts, results in positive signal penetration even in areas of high congestion. A massive built-in heat sink dissipates heat build up caused by continuous use. Transmit power output holds constant under all operating conditions.

An eight-pole monolithic crystal filter gives the GMT 425SH the selectivity required by crowded urban environments. You hear only the channel you have selected without interference from strong adjacent channel signals and off-channel transmitters.

To meet individual user requirements, the GMT 425SH can be equipped with a number of options which extend its flexibility.

The GMT 425SH can be used as a vehicular radio, or as an over the shoulder portable station. With the use of the PSI-10 power supply, the GMT 425SH can be used as an attractive desk top base station. The entire unit takes up little more space than a telephone.

Provisions are made within the GMT 425SH for the addition of the SA-1, a subaudible tone encoder-decoder. This feature assures product compatibility with other tone systems and allows the receiver to be activated only in response to calls placed within your system.

An optional 6 MHz broadband receiver front end is available for the GMT 425SH, to make possible receiving frequencies where the difference in the receive frequencies exceeds 1½ MHz.

GMT 425SH MOBILE RADIO 25W 143.9-173.4 MHz

Genave

LAND MOBILE PRODUCTS

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Genave's Land Mobile equipment includes the GMT 240H high band, two channel, 40 watt transceiver; GMT 240L low band, two channel, 30 watt transceiver; GMT 240U UHF, two channel, 15 watt transceiver; GMT 425SH, as described on this sheet; GMT 425H, four channel, 25 watt transceiver; GMT 1225H, 12 channel, 25 watt RCC; GHT 6H, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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MADE IN US

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm × 6.35 cm)
Over-All Dimensions:	10.5″ d × 6.5″ w × 2.5″ h; (26.67 cm × 16.51 cm × 6.35 cm)
Power Supply:	13.75 VDC Neg. Gnd., 11.5 V min.
Frequency Range:	143.9 to 173.4 MHz
Number of Channels:	4
Channel Separation:	max separation 1 MHz; optional 6 MHz available on receive
Temperature Range:	−30°C to +60°C
Weight:	6 lbs. approx.; (2.72 kg)

TRANSMITTER

Power Output:	25 Watts typ.; 20 watts min. at 143.9 to 160.0 MHz 15 watts min. at 160.0 to 173.4 MHz
Frequency Range:	143.9 to 173.4 MHz
Output Impedance:	50 ohm
Audio Modulation Deviation:	5 KHz max.; 4 KHz min.
Frequency Accuracy:	±200 Hz
Frequency Stability:	.0005%
Current Drain:	6.5 Amps

RECEIVER

Sensitivity:	0.25 μV for 12 db SINAD; less than 0.5 μV for 20 db quieting
Selectivity:	±7.5 KHz
Squelch Threshold:	0.2 μV
Modulation Acceptance:	More than 5 KHz
Adjacent Channel Rejection:	70 db min. @ ±25 KHz (EIA); 85 db for 20 db quieting
Intermodulation Response:	70 db min. (EIA)
Image Response:	65 db min. (EIA); 80 db for 20 db quieting
Spurious Response:	65 db min. (EIA); 80 db for 20 db quieting
Audio Output Power:	5 watts, 4 watts @ 15% distortion
Hum and Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Frequency Stability:	.001%
Current Drain (Squelched):	0.2 Amps

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-20 Telephone handset for use with system without CTCSS
G-21 Telephone handset for use with system with CTCSS
HRF-1 Dual cavity helical resonator
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
PSI-21 Power pack for portable operation
GMT-BFE Broad band front end
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-4 Vehicle DC power cord with connector
LC-5 Cigarette lighter vehicle DC power cord
SP-5 Auxiliary speaker for vehicles

Genave®

ECOM-4

Hand Held Radio

2W 143.9-173.4 MHz

For compact size and outstanding performance, Genave's Ecom-4 is the perfect transceiver for the operator who wants a light weight, easy to operate handheld at an affordable price.

A VHF-FM high band handheld transceiver, the Ecom-4 offers four channels and 1.5 watts minimum output power, providing outstanding communications performance at a low cost.

Weighing less than two pounds, the Ecom-4 is the lightest radio on the market. The unit measures a compact 8" x 2.875" x 1.175" and is designed to fit comfortably in the palm of your hand, in a suit coat pocket or in a brief case. Carry the compact, lightweight Ecom-4 with you, wherever you go, whenever you need instant communications.

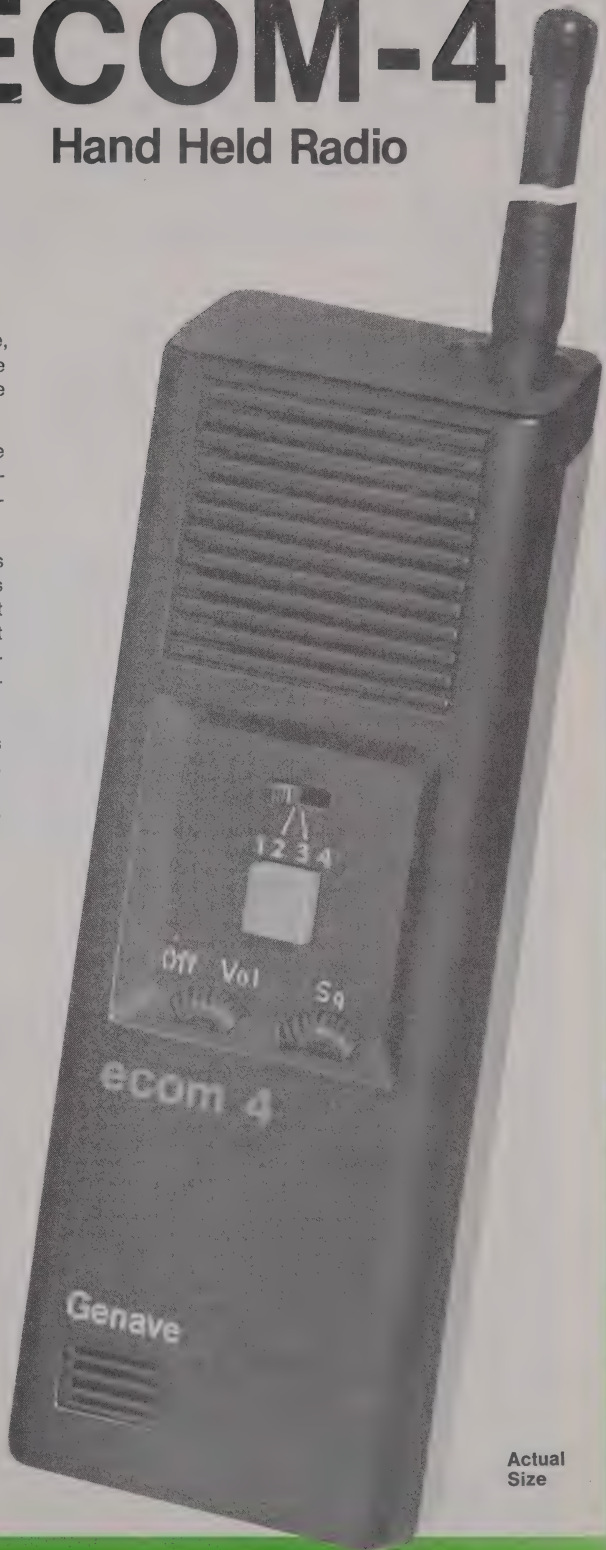
Housed in a rugged Lexan case, the Ecom-4 is designed to withstand years of rough handling. This tough, durable plastic cover protects the unit from damage while maintaining the light weight of the transceiver.

All controls are located on the front panel permitting simple, one hand operation. The recessed, low profile controls do not protrude above the radio's surface where they can catch on clothing or be knocked off.

A single, two-sided printed circuit board eliminates time consuming and costly repairs. This simple construction keeps wiring to a minimum and reduces the number of parts in the unit. Access to the circuit board is simple. Troubleshooting and replacement of components is easy.

The Ecom-4's low price is especially appealing to construction workers, survey crews or material handlers—wherever the wear and tear on a transceiver is great. Low cost enables the user to replace a severely damaged or lost Ecom-4 with a brand new unit and still save money.

Priced to satisfy any budget, the Ecom-4 gives you more from your communications dollar. When performance and economy are what you value most, the Ecom-4 meets your specifications.



Actual Size

ECOM-4 HAND HELD 2W 143.9-173.4 MHz

Genave

LAND MOBILE DIVISION ®

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Genave's Comline equipment includes the Alpha/12, a 12 channel aircraft communications transceiver; the Alpha/720, a synthesized 720-channel air-to-ground transceiver; and the Alpha/6, a six channel aviation band handheld transceiver.

Genave's Land Mobile equipment includes the GMT-240 high band, two channel, 40 watt transceiver; GMT-240 low band, two channel, 30 watt transceiver; GMT-240 UHF two channel, 15 watt transceiver; GMT-425s, four channel, 25 watt scanner; GMT-425, four channel, 25 watt transceiver; GMT-1225R, 12 channel 25 watt RCC; GHT-6, six channel, 3 watt handheld transceiver; Ecom-220, two channel, 20 watt transceiver; and Ecom-4, as described on this sheet.

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Genave ® (11/77)

MADE IN USA

SPECIFICATIONS

GENERAL:

Front panel size	1.7″ × 1.7″
Over-all dimensions:	8″ H × 2.875″ W × 1.175″ D
Power Supply:	6 AA Penlight Batteries—Nicad or Alkaline
Battery Oper. Time:	2 Watt 6 Hrs. (Based on 90-5-5 Duty cycle)
Frequency Range:	143.9 MHz to 173.4 MHz
Number of Channels:	4
Temperature Range:	−30°C to +60°C
Weight:	Less than 2 pounds
Channel Separation:	2 MHz maximum

TRANSMITTER:

Power Output:	2 watt (1.5 Min.)
Frequency Range:	143.9 MHz to 173.4 MHz
Output Impedance:	50 ohms nominal
Deviation:	±5 KHz maximum at 1 KHz
Frequency Stability:	±.0005%
Frequency Accuracy:	Adjustable to ± 200 Hz
Touch Tone:	External option

RECEIVER:

Sensitivity:	0.5 μv max. (12 db SINAD)
Selectivity:	±7.5 KHz nominal
Squelch Threshold:	0.5 μv maximum
Moduation acceptance Bandwidth:	±7.5 KHz maxlmum
Adjacent Channel Rejection:	−35 db maximum at 25 KHz (12 db SINAD) −40 db minimum at 30 KHz (12 db SINAD)
Intermodulation Response:	−45 db minimum (E.I.A. method)
Image Response:	−40 db minimum
Spurious Response:	−40 db
Audio Output Power:	0.25 watt minimum
Hum & Noise Level:	More than 35 db below 0.25 watts
Frequency Accuracy:	Adjustable withln ±500 Hz
Frequency Stability:	±.001%

Genave®

ECOM-220

Mobile Radio

20W 143.9-173.4 MHz

The Ecom-220, VHF-FM high band transceiver combines economy and performance.

The Ecom-220 offers two channels for the flexibility of operating on two separate frequencies where radio traffic is heavy.

Twenty watts of RF output power provide that extra margin of range which assures maximum signal coverage and positive penetration even in areas of high RF congestion.

A four pole monolithic crystal filter and the MOS FET front end provide excellent adjacent channel and intermodulation rejection. Audio clarity is enhanced and communications are virtually interference free. This super selective receiver assures you of hearing only the channel you have selected, with no interference from strong signals or adjacent channels.

A front mounted speaker directs the sound right at the user. Messages are clear and intelligible, even in very noisy areas.

Adanced solid state design coupled with a single printed circuit board hold maintenance costs and down time to a minimum. This simple construction with fewer parts, also reduces production costs. Genave passes these savings on to you, thereby providing quality communications at economically affordable prices.

Solid state design also means high reliability, low current drain and reduced warm up time.

Circuitry is designed to withstand the roughest treatment possible and continue to provide outstanding performance.

Installation space in today's vehicle is at a premium. The Ecom-220 measures a slim 2.5″x8.25″x12″ and is designed to fit in crowded underdash locations without taking up a lot of leg-room or interfering with controls.

Encased in a light weight plastic cover designed to protect the transceiver from physical damage, the Ecom-220's construction is economical, yet durable.

Priced to satisfy any budget, the Ecom-220 gives you more for your communications dollar. When performance and economy are what you value most, the Ecom-220 meets your specifications.

ECOM-220 MOBILE RADIO 20W 143.9-173.4 MHz

Genave

LAND MOBILE DIVISION ®

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Genave's Comline equipment includes the Alpha/12, a 12 channel aircraft communications transceiver; the Alpha/720, a synthesized 720-channel air-to-ground transceiver; and the Alpha/6, a six channel aviation band handheld transceiver.

Genave's Land Mobile equipment includes the GMT-240 high band, two channel, 40 watt transceiver; GMT-240 low band, two channel, 30 watt transceiver; GMT-240 UHF two channel, 15 watt transceiver; GMT-425s, four channel, 25 watt scanner; GMT-425, four channel, 25 watt transceiver; GMT-1225R, 12 channel 25 watt RCC; GHT-6, six channel, 3 watt handheld transceiver; Ecom-220, as described on this sheet; and Ecom-4, four channel, 2 watt handheld transceiver.

General Aviation Electronics, Inc.,

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Indianapolis, Indiana 46226
317-546-1111

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Genave ®

(11/77)

MADE IN USA

SPECIFICATIONS

GENERAL

Front Panel Size:	2.56″ × 8.1875″
Over-all Dimensions:	12.125″ × 8.1875″ × 2.56″
Power Supply:	13.75 VDC negative ground—min. 11.5 V
Current Drain:	6.5 amps max. xmit.—.2 amps. receive
Frequency Range:	143.9 to 173.4; 1 mHz max. two channel separation (60 KHz min.)
Number of Channels:	Two
Temperature Range:	−30 to + 60°C
Weight:	Approx. 5 lbs.

RECEIVER

Sensitivity:	.35 μV max. for 12 db SINAD; less than 0.55 μV for 20 db quieting
Selectivity:	±7.5 KHz
Squelch Threshold:	Less than 0.35 μV
Modulation Acceptance Bandwidth:	More than 5 KHz
Adjacent Channel Rejection:	40 db minimum @ ±25 EIA (55 for 20 db quieting)
Intermodulation Response:	60 db minimum (EIA)
Image Response:	60 db minimum (EIA)
Spurious Response:	60 db minimum (EIA)
Audio Output Power:	5 watts, 4 watts at 15% distortion
Hum and Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Frequency Stability:	±.001%

TRANSMITTER

Power Output:	20 watts nominal 143.9 to 160.0 MHz-20 watts 160.0 to 173.4 MHz-15 watts
Frequency Range:	143.9 to 173.4 MHz
Output Impedance:	50 ohm
Deviation:	5 KHz max.—4 KHz min.
Frequency Accuracy:	±200 Hz Subaudible deviation 1 KHz ±200 Hz Subaudible frequency tolerance ±.3 Hz
Frequency Stability:	.0005%
Transmitter Spurious:	−56 db minimum

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-20 Telephone handset for use with system without CTCSS
G-21 Telephone handset for use with system with CTCSS
GCF-11 4-pole crystal filter
L-25 Vinyl-covered helically loaded antenna with BNC connector
LC-2 Cigarette lighter vehicle DC power cord
LC-4 Vehicle DC power cord with connector
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
SP-5 Auxiliary speaker for vehicles

Genave®

GHT 6H

Hand Held Radio
2.5W 143.9-173.4 MHz

The GHT 6H handheld transceiver provides six channels of reliable, convenient portable VHF-FM high band communications.

Encased in a rugged and shock-proof, all metal case, the GHT 6H is designed to withstand years of rough handling. Vinyl clad, aluminum covers protect components from damage while maintaining the aesthetic quality of the transceiver. Circuitry is designed to endure the roughest treatment possible and continue to provide outstanding performance.

Advanced solid state design holds maintenance costs and down time to a minimum. Solid state design also means higher reliability and low current drain. (The batteries last longer!)

Access to both sides of the printed circuit board is quick and easy. A chrome-plated, steel chassis rail surrounds the printed circuit board and enables you to remove the covers and service both sides of the board.

The GHT 6H weighs only a little over two pounds and measures a compact 8″ x 2.6″ x 1.3″. The unit is designed to accompany you whereever you go, whenever you need instant communications.

The GHT 6H offers six channels for the flexibility of operating on six separate frequencies where radio traffic is heavy.

The powerful transmitter supplies 2.5 watts minimum of RF power to reach out for that extra margin of range which assures maximum signal coverage and positive penetration.

A six-pole monolithic crystal filter in the first IF circuitry maximizes adjacent channel and intermodulation rejection characteristics. Audio clarity is enhanced and communications are virtually interference free. This super selective receiver assures you of hearing only the channel you have selected with no interference from other strong signals or adjacent channels.

The tone override switch turns off the subaudible tone installed in your transceiver permitting communications with transceivers not equipped with your tone. This feature overrides the tone on all channels, expanding your communications capacity.

Included with the GHT 6H hand held transceiver are a low profile, helically loaded vinyl clad antenna; a long life, rechargeable eight cell nicad battery pack; and a security wrist carrying strap.

The unit can be equipped with an ED-34 subaudible tone controlled squelch system. Also available for the GHT 6H is a 12 digit tone encoder. The tone encoder produces the standard telephone dial tone codes and can be used for autopatch and control functions.

Actual Size

GHT 6H HAND HELD 2.5W 143.9-173.4 MHz

Genave

LAND MOBILE PRODUCTS ®

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Genave's Land Mobile equipment includes the GMT 240H high band, two channel, 40 watt transceiver; GMT 240L low band, two channel, 30 watt transceiver; GMT 240U UHF two channel, 15 watt transceiver; GMT 425SH, four channel, 25 watt scanner; GMT 425H, four channel, 25 watt transceiver; GMT 1225H, 12 channel, 25 watt RCC; GHT 6H, as described on this sheet; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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MADE IN USA

SPECIFICATIONS

GENERAL

Overall Dimensions	8″ h × 2.625″ w × 1.281″ d; (20.32 cm × 6.67 cm × 3.25 cm)
Frequency Range:	143.9 to 173.4 MHz
Number of Channels:	6
Channel Separation:	2 MHz max.
Temperature Range:	−30° to +60°C
Weight:	2.25 lbs. approx.; (1.02 kg)
Power Supply:	Internal Batteries rechargeable in or out of transceiver, 8 hrs. life @ 90% −5% −5% duty cycle

TRANSMITTER

Power Output:	3.0 watts nominal
Output Impedance:	50 ohms (BNC connector)
Frequency Stability:	±.0005%
Audio Modulation Deviation:	±5 KHz

RECEIVER

Sensitivity (20 db quieting):	.45 μV nom. (.2 μV nom. for 12 db SINAD)
Selectivity:	±7.5 KHz (EIA)
Squelch Threshold:	.2 μV max.
Modulation Acceptance:	±7.5 KHz
Adjacent Channel Rejection	±30 KHz, 55 db typical (EIA)
Image Response:	60 db (EIA)
Spurious Response:	65 db (EIA)
Audio Output Power:	500 MW
Intermodulation Response:	55 db (EIA)
Frequency Stability:	±.001%
Circuit Type:	Dual Conversion, Superheterodyne, Crystal Controlled with Crystal IF filter

ACCESSORIES

ED-34	CTCSS sub-audible tone squelch module
TE-III	12 digit alpha numeric telephone tone encoder
GLC-1	Leather carrying case
PSI-15	Desk type charger
PSI-18	Rechargeable nicad battery pack
PSI-25	Battery charger for use in vehicles (12 VDC input)

Genave®

GHT 6H

Hand Held Radio
2.5W 143.9-173.4 MHz

The GHT 6H handheld transceiver provides six channels of reliable, convenient portable VHF-FM high band communications.

Encased in a rugged and shock-proof, all metal case, the GHT 6H is designed to withstand years of rough handling. Vinyl clad, aluminum covers protect components from damage while maintaining the aesthetic quality of the transceiver. Circuitry is designed to endure the roughest treatment possible and continue to provide outstanding performance.

Advanced solid state design holds maintenance costs and down time to a minimum. Solid state design also means higher reliability and low current drain. (The batteries last longer!)

Access to both sides of the printed circuit board is quick and easy. A chrome-plated, steel chassis rail surrounds the printed circuit board and enables you to remove the covers and service both sides of the board.

The GHT 6H weighs only a little over two pounds and measures a compact 8″ x 2.6″ x 1.3″. The unit is designed to accompany you wherever you go, whenever you need instant communications.

The GHT 6H offers six channels for the flexibility of operating on six separate frequencies where radio traffic is heavy.

The powerful transmitter supplies 2.5 watts minimum of RF power to reach out for that extra margin of range which assures maximum signal coverage and positive penetration.

A six-pole monolithic crystal filter in the first IF circuitry maximizes adjacent channel and intermodulation rejection characteristics. Audio clarity is enhanced and communications are virtually interference free. This super selective receiver assures you of hearing only the channel you have selected with no interference from other strong signals or adjacent channels.

The tone override switch turns off the subaudible tone installed in your transceiver permitting communications with transceivers not equipped with your tone. This feature overrides the tone on all channels, expanding your communications capacity.

Included with the GHT 6H hand held transceiver are a low profile, helically loaded vinyl clad antenna; a long life, rechargeable eight cell nicad battery pack; and a security wrist carrying strap.

The unit can be equipped with an ED-34 subaudible tone controlled squelch system. Also available for the GHT 6H is a 12 digit tone encoder. The tone encoder produces the standard telephone dial tone codes and can be used for autopatch and control functions.

Actual Size

GHT 6H HAND HELD 2.5W 143.9-173.4 MHz

Genave

LAND MOBILE PRODUCTS ®

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Genave's Land Mobile equipment includes the GMT 240H high band, two channel, 40 watt transceiver; GMT 240L low band, two channel, 30 watt transceiver; GMT 240U UHF two channel, 15 watt transceiver; GMT 425SH, four channel, 25 watt scanner; GMT 425H, four channel, 25 watt transceiver; GMT 1225H, 12 channel, 25 watt RCC; GHT 6H, as described on this sheet; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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MADE IN US

SPECIFICATIONS

GENERAL

Overall Dimensions	8″ h × 2.625″ w × 1.281″ d; (20.32 cm × 6.67 cm × 3.25 cm)
Frequency Range:	143.9 to 173.4 MHz
Number of Channels:	6
Channel Separation:	2 MHz max.
Temperature Range:	−30° to +60°C
Weight:	2.25 lbs. approx.; (1.02 kg)
Power Supply:	Internal Batteries rechargeable in or out of transceiver, 8 hrs. life @ 90% −5% −5% duty cycle

TRANSMITTER

Power Output:	3.0 watts nominal
Output Impedance:	50 ohms (BNC connector)
Frequency Stability:	±.0005%
Audio Modulation Deviation:	±5 KHz

RECEIVER

Sensitivity (20 db quieting):	.45 μV nom. (.2 μV nom. for 12 db SINAD)
Selectivity:	±7.5 KHz (EIA)
Squelch Threshold:	.2 μV max.
Modulation Acceptance:	±7.5 KHz
Adjacent Channel Rejection	±30 KHz, 55 db typical (EIA)
Image Response:	60 db (EIA)
Spurious Response:	65 db (EIA)
Audio Output Power:	500 MW
Intermodulation Response:	55 db (EIA)
Frequency Stability:	±.001%
Circuit Type:	Dual Conversion, Superheterodyne, Crystal Controlled with Crystal IF filter

ACCESSORIES

ED-34	CTCSS sub-audible tone squelch module
TE-III	12 digit alpha numeric telephone tone encoder
GLC-1	Leather carrying case
PSI-15	Desk type charger
PSI-18	Rechargeable nicad battery pack
PSI-25	Battery charger for use in vehicles (12 VDC input)

Genave®

GHT 6H

Hand Held Radio
2.5W 143.9-173.4 MHz

The GHT 6H handheld transceiver provides six channels of reliable, convenient portable VHF-FM high band communications.

Encased in a rugged and shock-proof, all metal case, the GHT 6H is designed to withstand years of rough handling. Vinyl clad, aluminum covers protect components from damage while maintaining the aesthetic quality of the transceiver. Circuitry is designed to endure the roughest treatment possible and continue to provide outstanding performance.

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The GHT 6H offers six channels for the flexibility of operating on six separate frequencies where radio traffic is heavy.

The powerful transmitter supplies 2.5 watts minimum of RF power to reach out for that extra margin of range which assures maximum signal coverage and positive penetration.

A six-pole monolithic crystal filter in the first IF circuitry maximizes adjacent channel and intermodulation rejection characteristics. Audio clarity is enhanced and communications are virtually interference free. This super selective receiver assures you of hearing only the channel you have selected with no interference from other strong signals or adjacent channels.

The tone override switch turns off the subaudible tone installed in your transceiver permitting communications with transceivers not equipped with your tone. This feature overrides the tone on all channels, expanding your communications capacity.

Included with the GHT 6H hand held transceiver are a low profile, helically loaded vinyl clad antenna; a long life, rechargeable eight cell nicad battery pack; and a security wrist carrying strap.

The unit can be equipped with an ED-34 subaudible tone controlled squelch system. Also available for the GHT 6H is a 12 digit tone encoder. The tone encoder produces the standard telephone dial tone codes and can be used for autopatch and control functions.

Actual Size

GHT 6H HAND HELD 2.5W 143.9-173.4 MHz

Genave LAND MOBILE PRODUCTS ®

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Genave's Land Mobile equipment includes the GMT 240H high band, two channel, 40 watt transceiver; GMT 240L low band, two channel, 30 watt transceiver; GMT 240U UHF two channel, 15 watt transceiver; GMT 425SH, four channel, 25 watt scanner; GMT 425H, four channel, 25 watt transceiver; GMT 1225H, 12 channel, 25 watt RCC; GHT 6H, as described on this sheet; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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MADE IN USA

SPECIFICATIONS

GENERAL

Overall Dimensions	8″ h × 2.625″ w × 1.281″ d; (20.32 cm × 6.67 cm × 3.25 cm)
Frequency Range:	143.9 to 173.4 MHz
Number of Channels:	6
Channel Separation:	2 MHz max.
Temperature Range:	−30° to +60°C
Weight:	2.25 lbs. approx.; (1.02 kg)
Power Supply:	Internal Batteries rechargeable in or out of transceiver, 8 hrs. life @ 90% −5% −5% duty cycle

TRANSMITTER

Power Output:	3.0 watts nominal
Output Impedance:	50 ohms (BNC connector)
Frequency Stability:	±.0005%
Audio Modulation Deviation:	±5 KHz

RECEIVER

Sensitivity (20 db quieting):	.45 μV nom. (.2 μV nom. for 12 db SINAD)
Selectivity:	±7.5 KHz (EIA)
Squelch Threshold:	.2 μV max.
Modulation Acceptance:	±7.5 KHz
Adjacent Channel Rejection	±30 KHz, 55 db typical (EIA)
Image Response:	60 db (EIA)
Spurious Response:	65 db (EIA)
Audio Output Power:	500 MW
Intermodulation Response:	55 db (EIA)
Frequency Stability:	±.001%
Circuit Type:	Dual Conversion, Superheterodyne, Crystal Controlled with Crystal IF filter

ACCESSORIES

ED-34	CTCSS sub-audible tone squelch module
TE-III	12 digit alpha numeric telephone tone encoder
GLC-1	Leather carrying case
PSI-15	Desk type charger
PSI-18	Rechargeable nicad battery pack
PSI-25	Battery charger for use in vehicles (12 VDC input)

Genave®

GMT 1225H

Mobile Radio
25W 143.9-173.4 MHz

For the additional capability of placing and receiving phone calls without leaving the car, the Genave GMT 1225H combines capacity, quality and high performance.

The GMT 1225H, VHF-FM high band transceiver has 12 channel capability which allows for full use of the seven RCC channels anywhere in the country.

This expanded capacity permits monitoring of other frequencies, in addition to the main RCC channels normally used.

The solid state transceiver features 25 watts of RF transmit power insuring clear, reliable transmissions, even in areas of high RF congestion. The integral massive heat sink stabilizes output power by dissipating heat build up caused by continuous use. As a result, transmit power output holds constant under all operating conditions.

The receiver incorporates an eight pole crystal filter and MOS FET design to produce super selectivity. You hear only the channel you have selected—without interference from strong adjacent channels and off-channel transmitters—even in highly congested urban areas.

Accessories available include an optional RCC 2-to-7 digit plug-in 2805 Hz dial pulse decoder.

The front panel has a speaker alarm switch that, when used with the decoder, can be flipped from speaker to alarm when away from the car—so an incoming call is never missed.

An optional 6 MHz broad band receiver front end is available to allow for reception of channels up to 6 MHz away.

Other accessories include telephone handset; external speaker; 12-watt P.A. horn; portable power pack and antennas for trunk lip, magnetic or drill through mount.

GMT 1225H MOBILE RADIO 25W 143.9-173.4 MHz

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LAND MOBILE PRODUCTS

®

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Genave's Land Mobile equipment includes the GMT 240H high band, two channel, 40 watt transceiver; GMT 240L low band, two channel, 30 watt transceiver; GMT 240U UHF, two channel, 15 watt transceiver; GMT 425SH, four channel, 25 watt scanner; GMT 425H, four channel, 25 watt transceiver; GMT 1225H, as described on this sheet; GHT 6H, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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MADE IN US

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm × 6.35 cm)
Over-all Dimensions:	10.5″ d × 6.5″ w × 2.5″ h; (26.67 cm × 16.51 cm × 6.35 cm)
Power Supply:	13.75 VDC Neg. Gnd., 11.5V min.
Frequency Range:	143.9 MHz to 173.4 MHz
Number of Channels:	12
Channel Separation:	max separation 1 MHz; optional 6 MHz available on receive
Temperature Range:	−30°C to +60°C
Weight:	6 lbs. approx.; (2.72 kg)

TRANSMITTER

Power Output:	25 Watts typ., 20 watts min. at 143.9 to 160.0 MHz 15 watts min. at 160.0 to 173.4 MHz
Frequency Range:	143.9 to 173.4 MHz
Output Impedance:	50 ohm
Audio Modulation Deviation:	5 KHz max.; 4 KHz min.
Frequency Accuracy:	±200 Hz
Frequency Stability:	.0005%
Current Drain:	6.5 Amps

RECEIVER

Sensitivity:	0.25 μV for 12 db SINAD; less than 0.5 μV for 20 db quieting
Selectivity:	±7.5 KHz
Squelch Threshold:	0.2 μV
Modulation Acceptance:	More than 5 KHz
Adjacent Channel Rejection:	70 db min. @ ±25 KHz (EIA); 85 db for 20 db quieting
Intermodulation Response:	70 db min. (EIA)
Image Response:	65 db min. (EIA); 80 db for 20 db quieting
Spurious Response:	65 db min. (EIA); 80 db for 20 db quieting
Audio Output Power:	5 watts, 4 watts @ 15% distortion
Hum and Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Frequency Stability:	.001%
Current Drain (Squelched):	0.2 Amps

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-20 Telephone handset for use with system without CTCSS
G-21 Telephone handset for use with system with CTCSS
HRF-1 Dual cavity helical resonator
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
PSI-21 Power pack for portable operation
GMT-BFE Broad band front end
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-4 Vehicle DC power cord with connector
LC-5 Cigarette lighter vehicle DC power cord
SP-5 Auxiliary speaker for vehicles

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Mobile Radio
25W 143.9-173.4 MHz

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This expanded capacity permits monitoring of other frequencies, in addition to the main RCC channels normally used.

The solid state transceiver features 25 watts of RF transmit power insuring clear, reliable transmissions, even in areas of high RF congestion. The integral massive heat sink stabilizes output power by dissipating heat build up caused by continuous use. As a result, transmit power output holds constant under all operating conditions.

The receiver incorporates an eight pole crystal filter and MOS FET design to produce super selectivity. You hear only the channel you have selected—without interference from strong adjacent channels and off-channel transmitters—even in highly congested urban areas.

Accessories available include an optional RCC 2-to-7 digit plug-in 2805 Hz dial pulse decoder.

The front panel has a speaker alarm switch that, when used with the decoder, can be flipped from speaker to alarm when away from the car—so an incoming call is never missed.

An optional 6 MHz broad band receiver front end is available to allow for reception of channels up to 6 MHz away.

Other accessories include telephone handset; external speaker; 12-watt P.A. horn; portable power pack and antennas for trunk lip, magnetic or drill through mount.

GMT 1225H MOBILE RADIO 25W 143.9-173.4 MHz

Genave

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(1/78)

MADE IN US

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm × 6.35 cm)
Over-all Dimensions:	10.5″ d × 6.5″ w × 2.5″ h; (26.67 cm × 16.51 cm × 6.35 cm)
Power Supply:	13.75 VDC Neg. Gnd., 11.5V min.
Frequency Range:	143.9 MHz to 173.4 MHz
Number of Channels:	12
Channel Separation:	max separation 1 MHz; optional 6 MHz available on receive
Temperature Range:	−30°C to +60°C
Weight:	6 lbs. approx.; (2.72 kg)

TRANSMITTER

Power Output:	25 Watts typ., 20 watts min. at 143.9 to 160.0 MHz 15 watts min. at 160.0 to 173.4 MHz
Frequency Range:	143.9 to 173.4 MHz
Output Impedance:	50 ohm
Audio Modulation Deviation:	5 KHz max.; 4 KHz min.
Frequency Accuracy:	±200 Hz
Frequency Stability:	.0005%
Current Drain:	6.5 Amps

RECEIVER

Sensitivity:	0.25 μV for 12 db SINAD; less than 0.5 μV for 20 db quieting
Selectivity:	±7.5 KHz
Squelch Threshold:	0.2 μV
Modulation Acceptance:	More than 5 KHz
Adjacent Channel Rejection:	70 db min. @ ±25 KHz (EIA); 85 db for 20 db quieting
Intermodulation Response:	70 db min. (EIA)
Image Response:	65 db min. (EIA); 80 db for 20 db quieting
Spurious Response:	65 db min. (EIA); 80 db for 20 db quieting
Audio Output Power:	5 watts, 4 watts @ 15% distortion
Hum and Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Frequency Stability:	.001%
Current Drain (Squelched):	0.2 Amps

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-20 Telephone handset for use with system without CTCSS
G-21 Telephone handset for use with system with CTCSS
HRF-1 Dual cavity helical resonator
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
PSI-21 Power pack for portable operation
GMT-BFE Broad band front end
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-4 Vehicle DC power cord with connector
LC-5 Cigarette lighter vehicle DC power cord
SP-5 Auxiliary speaker for vehicles

Genave®

GMT 1225H

Mobile Radio
25W 143.9-173.4 MHz

For the additional capability of placing and receiving phone calls without leaving the car, the Genave GMT 1225H combines capacity, quality and high performance.

The GMT 1225H, VHF-FM high band transceiver has 12 channel capability which allows for full use of the seven RCC channels anywhere in the country.

This expanded capacity permits monitoring of other frequencies, in addition to the main RCC channels normally used.

The solid state transceiver features 25 watts of RF transmit power insuring clear, reliable transmissions, even in areas of high RF congestion. The integral massive heat sink stabilizes output power by dissipating heat build up caused by continuous use. As a result, transmit power output holds constant under all operating conditions.

The receiver incorporates an eight pole crystal filter and MOS FET design to produce super selectivity. You hear only the channel you have selected—without interference from strong adjacent channels and off-channel transmitters—even in highly congested urban areas.

Accessories available include an optional RCC 2-to-7 digit plug-in 2805 Hz dial pulse decoder.

The front panel has a speaker alarm switch that, when used with the decoder, can be flipped from speaker to alarm when away from the car—so an incoming call is never missed.

An optional 6 MHz broad band receiver front end is available to allow for reception of channels up to 6 MHz away.

Other accessories include telephone handset; external speaker; 12-watt P.A. horn; portable power pack and antennas for trunk lip, magnetic or drill through mount.

GMT 1225H MOBILE RADIO
25W 143.9-173.4 MHz

Genave

LAND MOBILE PRODUCTS

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To assure quality and performance, all Genave equipment is designed with the latest and finest technical knowledge available. Each instrument is handcrafted, and upon completion, subjected to a thorough burn-in and carefully tested for precise, proper operation.

All Genave electronic gear requires the same reliability as instruments fabricated for aircraft. The Genave facility is inspected by an agency of the federal government for the production of precision aircraft navigation and communications equipment. Only units manufactured by Genave meet these demanding requirements for you.

Genave's Comline equipment includes the Alpha/12, a 12 channel aircraft communications transceiver; the Alpha/720, a synthesized 720-channel air-to-ground transceiver; and the Alpha/6, a six channel aviation band handheld transceiver.

Genave's Land Mobile equipment includes the GMT 240H high band, two channel, 40 watt transceiver; GMT 240L low band, two channel, 30 watt transceiver; GMT 240U UHF, two channel, 15 watt transceiver; GMT 425SH, four channel, 25 watt scanner; GMT 425H, four channel, 25 watt transceiver; GMT 1225H, as described on this sheet; GHT 6H, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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MADE IN USA

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm × 6.35 cm)
Over-all Dimensions:	10.5″ d × 6.5″ w × 2.5″ h; (26.67 cm × 16.51 cm × 6.35 cm)
Power Supply:	13.75 VDC Neg. Gnd., 11.5V min.
Frequency Range:	143.9 MHz to 173.4 MHz
Number of Channels:	12
Channel Separation:	max separation 1 MHz; optional 6 MHz available on receive
Temperature Range:	−30°C to +60°C
Weight:	6 lbs. approx.; (2.72 kg)

TRANSMITTER

Power Output:	25 Watts typ., 20 watts min. at 143.9 to 160.0 MHz 15 watts min. at 160.0 to 173.4 MHz
Frequency Range:	143.9 to 173.4 MHz
Output Impedance:	50 ohm
Audio Modulation Deviation:	5 KHz max.; 4 KHz min.
Frequency Accuracy:	±200 Hz
Frequency Stability:	.0005%
Current Drain:	6.5 Amps

RECEIVER

Sensitivity:	0.25 μV for 12 db SINAD; less than 0.5 μV for 20 db quieting
Selectivity:	±7.5 KHz
Squelch Threshold:	0.2 μV
Modulation Acceptance:	More than 5 KHz
Adjacent Channel Rejection:	70 db min. @ ±25 KHz (EIA); 85 db for 20 db quieting
Intermodulation Response:	70 db min. (EIA)
Image Response:	65 db min. (EIA); 80 db for 20 db quieting
Spurious Response:	65 db min. (EIA); 80 db for 20 db quieting
Audio Output Power:	5 watts, 4 watts @ 15% distortion
Hum and Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Frequency Stability:	.001%
Current Drain (Squelched):	0.2 Amps

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-20 Telephone handset for use with system without CTCSS
G-21 Telephone handset for use with system with CTCSS
HRF-1 Dual cavity helical resonator
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
PSI-21 Power pack for portable operation
GMT-BFE Broad band front end
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-4 Vehicle DC power cord with connector
LC-5 Cigarette lighter vehicle DC power cord
SP-5 Auxiliary speaker for vehicles

GMT 425H

Mobile Radio
25W 143.9-173.4 MHz

Genave's four channel GMT 425H has been designed to accommodate the most complicated communications requirements.

Output power, at 25 watts, results in positive signal penetration even in areas of high congestion. A massive built-in heat sink dissipates heat buld up caused by continuous use. Transmit power output holds constant under all operating conditions.

An eight-pole monolithic crystal filter gives the GMT 425H the selectivity required by crowded urban environments. You hear only the channel you have selected without interference from strong adjacent channel signals and off-channel transmitters.

To meet individual user requirements, the GMT 425H can be equipped with a number of options which extend its flexibility.

The GMT 425H can be used as a vehicular radio, or as an over the shoulder portable station. With the use of the PSI-10 power supply, the GMT 425H can be used as an attractive desk top base station. The entire unit takes up little more space than a telephone.

Provisions are made within the GMT 425H for the addition of the SA-1, a subaudible tone encoder-decoder. This feature assures product compatibility with other tone systems and allows the receiver to be activated only in response to calls placed within your system.

An optional 6 MHz broadband receiver front end is available for the GMT 425H, to make possible receiving frequencies where the difference in the receive frequencies exceeds 1½ MHz.

GMT 425 H MOBILE RADIO 25W 143.9-173.4 MHz

Genave LAND MOBILE PRODUCTS ®

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Genave's Land Mobile equipment includes the GMT 240H high band, two channel, 40 watt transceiver; GMT 240L low band, two channel, 30 watt transceiver; GMT 240U UHF, two channel, 15 watt transceiver; GMT 425SH, four channel, 25 watt scanner; GMT 425H, as described on this sheet; GMT 1225H, 12 channel, 25 watt RCC; GHT 6H, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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(2/76)

MADE IN USA

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm × 6.35 cm)
Over-All Dimensions:	10.5″ d × 6.5″ w × 2.5″ h; (26.67 cm × 16.51 cm × 6.35 cm)
Power Supply:	13.75 VDC Neg. Gnd., 11.5 V min.
Frequency Range:	143.9 to 173.4 MHz
Number of Channels:	4
Channel Separation:	max separation 1 MHz; optional 6 MHz available on receive
Temperature Range:	−30°C to +60°C
Weight:	6 lbs. approx.; (2.72 kg)

TRANSMITTER

Power Output:	25 Watts typ.; 20 watts min. at 143.9 to 160.0 MHz 15 watts min. at 160.0 to 173.4 MHz
Frequency Range:	143.9 to 173.4 MHz
Output Impedance:	50 ohm
Audio Modulation Deviation:	5 KHz max.; 4 KHz min.
Frequency Accuracy:	±200 Hz
Frequency Stability:	.0005%
Current Drain:	6.5 Amps

RECEIVER

Sensitivity:	0.25 μV for 12 db SINAD; less than 0.5 μV for 20 db quieting
Selectivity:	±7.5 KHz
Squelch Threshold:	0.2 μV
Modulation Acceptance:	More than 5 KHz
Adjacent Channel Rejection:	70 db min. @ ±25 KHz (EIA); 85 db for 20 db quieting
Intermodulation Response:	70 db min. (EIA)
Image Response:	65 db min. (EIA); 80 db for 20 db quieting
Spurious Response:	65 db min. (EIA); 80 db for 20 db quieting
Audio Output Power:	5 watts, 4 watts @ 15% distortion
Hum and Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Frequency Stability:	.001%
Current Drain (Squelched):	.2 Amps

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-21 Telephone handset for use with system with CTCSS
HRF-1 Dual cavity helical resonator
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
PSI-21 Power pack for portable operation
GMT-BFE Broad band front end
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-4 Vehicle DC power cord with connector
LC-5 Cigarette lighter vehicle DC power cord
SP-5 Auxiliary speaker for vehicles

GMT 425H

Mobile Radio
25W 143.9-173.4 MHz

Genave's four channel GMT 425H has been designed to accommodate the most complicated communications requirements.

Output power, at 25 watts, results in positive signal penetration even in areas of high congestion. A massive built-in heat sink dissipates heat buld up caused by continuous use. Transmit power output holds constant under all operating conditions.

An eight-pole monolithic crystal filter gives the GMT 425H the selectivity required by crowded urban environments. You hear only the channel you have selected without interference from strong adjacent channel signals and off-channel transmitters.

To meet individual user requirements, the GMT 425H can be equipped with a number of options which extend its flexibility.

The GMT 425H can be used as a vehicular radio, or as an over the shoulder portable station. With the use of the PSI-10 power supply, the GMT 425H can be used as an attractive desk top base station. The entire unit takes up little more space than a telephone.

Provisions are made within the GMT 425H for the addition of the SA-1, a subaudible tone encoder-decoder. This feature assures product compatibility with other tone systems and allows the receiver to be activated only in response to calls placed within your system.

An optional 6 MHz broadband receiver front end is available for the GMT 425H, to make possible receiving frequencies where the difference in the receive frequencies exceeds 1½ MHz.

GMT 425 H MOBILE RADIO 25W 143.9-173.4 MHz

Genave LAND MOBILE PRODUCTS ®

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Genave's Comline equipment includes the Alpha/12, a 12 channel aircraft communications transceiver; the Alpha/720, a synthesized 720-channel air-to-ground transceiver; and the Alpha/6, a six channel aviation band handheld transceiver.

Genave's Land Mobile equipment includes the GMT 240H high band, two channel, 40 watt transceiver; GMT 240L low band, two channel, 30 watt transceiver; GMT 240U UHF, two channel, 15 watt transceiver; GMT 425SH, four channel, 25 watt scanner; GMT 425H, as described on this sheet; GMT 1225H, 12 channel, 25 watt RCC; GHT 6H, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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(2/78)

MADE IN US

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm × 6.35 cm)
Over-All Dimensions:	10.5″ d × 6.5″ w × 2.5″ h; (26.67 cm × 16.51 cm × 6.35 cm)
Power Supply:	13.75 VDC Neg. Gnd., 11.5 V min.
Frequency Range:	143.9 to 173.4 MHz
Number of Channels:	4
Channel Separation:	max separation 1 MHz; optional 6 MHz available on receive
Temperature Range:	−30°C to +60°C
Weight:	6 lbs. approx.; (2.72 kg)

TRANSMITTER

Power Output:	25 Watts typ.; 20 watts min. at 143.9 to 160.0 MHz 15 watts min. at 160.0 to 173.4 MHz
Frequency Range:	143.9 to 173.4 MHz
Output Impedance:	50 ohm
Audio Modulation Deviation:	5 KHz max.; 4 KHz min.
Frequency Accuracy:	±200 Hz
Frequency Stability:	.0005%
Current Drain:	6.5 Amps

RECEIVER

Sensitivity:	0.25 μV for 12 db SINAD; less than 0.5 μV for 20 db quieting
Selectivity:	±7.5 KHz
Squelch Threshold:	0.2 μV
Modulation Acceptance:	More than 5 KHz
Adjacent Channel Rejection:	70 db min. @ ±25 KHz (EIA); 85 db for 20 db quieting
Intermodulation Response:	70 db min. (EIA)
Image Response:	65 db min. (EIA); 80 db for 20 db quieting
Spurious Response:	65 db min. (EIA); 80 db for 20 db quieting
Audio Output Power:	5 watts, 4 watts @ 15% distortion
Hum and Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Frequency Stability:	.001%
Current Drain (Squelched):	.2 Amps

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-21 Telephone handset for use with system with CTCSS
HRF-1 Dual cavity helical resonator
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
PSI-21 Power pack for portable operation
GMT-BFE Broad band front end
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-4 Vehicle DC power cord with connector
LC-5 Cigarette lighter vehicle DC power cord
SP-5 Auxiliary speaker for vehicles

GMT 425H

Mobile Radio
25W 143.9-173.4 MHz

Genave's four channel GMT 425H has been designed to accommodate the most complicated communications requirements.

Output power, at 25 watts, results in positive signal penetration even in areas of high congestion. A massive built-in heat sink dissipates heat buld up caused by continuous use. Transmit power output holds constant under all operating conditions.

An eight-pole monolithic crystal filter gives the GMT 425H the selectivity required by crowded urban environments. You hear only the channel you have selected without interference from strong adjacent channel signals and off-channel transmitters.

To meet individual user requirements, the GMT 425H can be equipped with a number of options which extend its flexibility.

The GMT 425H can be used as a vehicular radio, or as an over the shoulder portable station. With the use of the PSI-10 power supply, the GMT 425H can be used as an attractive desk top base station. The entire unit takes up little more space than a telephone.

Provisions are made within the GMT 425H for the addition of the SA-1, a subaudible tone encoder-decoder. This feature assures product compatibility with other tone systems and allows the receiver to be activated only in response to calls placed within your system.

An optional 6 MHz broadband receiver front end is available for the GMT 425H, to make possible receiving frequencies where the difference in the receive frequencies exceeds 1½ MHz.

GMT 425 H MOBILE RADIO 25W 143.9-173.4 MHz

Genave LAND MOBILE PRODUCTS®

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Genave's Comline equipment includes the Alpha/12, a 12 channel aircraft communications transceiver; the Alpha/720, a synthesized 720-channel air-to-ground transceiver; and the Alpha/6, a six channel aviation band handheld transceiver.

Genave's Land Mobile equipment includes the GMT 240H high band, two channel, 40 watt transceiver; GMT 240L low band, two channel, 30 watt transceiver; GMT 240U UHF, two channel, 15 watt transceiver; GMT 425SH, four channel, 25 watt scanner; GMT 425H, as described on this sheet; GMT 1225H, 12 channel, 25 watt RCC; GHT 6H, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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(2/78)

MADE IN US

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm × 6.35 cm)
Over-All Dimensions:	10.5″ d × 6.5″ w × 2.5″ h; (26.67 cm × 16.51 cm × 6.35 cm)
Power Supply:	13.75 VDC Neg. Gnd., 11.5 V min.
Frequency Range:	143.9 to 173.4 MHz
Number of Channels:	4
Channel Separation:	max separation 1 MHz; optional 6 MHz available on receive
Temperature Range:	−30°C to +60°C
Weight:	6 lbs. approx.; (2.72 kg)

TRANSMITTER

Power Output:	25 Watts typ.; 20 watts min. at 143.9 to 160.0 MHz 15 watts min. at 160.0 to 173.4 MHz
Frequency Range:	143.9 to 173.4 MHz
Output Impedance:	50 ohm
Audio Modulation Deviation:	5 KHz max.; 4 KHz min.
Frequency Accuracy:	±200 Hz
Frequency Stability:	.0005%
Current Drain:	6.5 Amps

RECEIVER

Sensitivity:	0.25 μV for 12 db SINAD; less than 0.5 μV for 20 db quieting
Selectivity:	±7.5 KHz
Squelch Threshold:	0.2 μV
Modulation Acceptance:	More than 5 KHz
Adjacent Channel Rejection:	70 db min. @ ±25 KHz (EIA); 85 db for 20 db quieting
Intermodulation Response:	70 db min. (EIA)
Image Response:	65 db min. (EIA); 80 db for 20 db quieting
Spurious Response:	65 db min. (EIA); 80 db for 20 db quieting
Audio Output Power:	5 watts, 4 watts @ 15% distortion
Hum and Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Frequency Stability:	.001%
Current Drain (Squelched):	.2 Amps

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-21 Telephone handset for use with system with CTCSS
HRF-1 Dual cavity helical resonator
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
PSI-21 Power pack for portable operation
GMT-BFE Broad band front end
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-4 Vehicle DC power cord with connector
LC-5 Cigarette lighter vehicle DC power cord
SP-5 Auxiliary speaker for vehicles

Genave®

GMT 240H

Mobile Radio
40W 143.9-173.4 MHz

The GMT 240H gives you top quality communications at a reasonable price without compromising performance.

The GMT 240H offers two channels for the flexibility of operating on two separate frequencies where radio traffic is heavy.

Forty watts of RF output power assure maximum signal coverage and positive penetration, even in areas of high RF congestion.

An eight pole monolithic crystal filter and the MOS FET receiver front end provide excellent adjacent channel and intermodulation rejection. Audio clarity is enhanced and communications are virtually interference free. This super selective receiver assures you of hearing only the channel you have selected with no interference from strong signals or adjacent channels.

Advanced solid state design holds maintenance costs and down time to a minimum. Solid state design also means high reliability and low current drain.

Circuitry is designed to endure the roughest treatment possible and continue to provide outstanding performance.

Enclosed in a vinyl-clad, two piece wrap-around cover, designed to protect the inside components from physical damage, the GMT 240H is a sturdy, compact unit designed and manufactured to withstand the toughest kinds of operating conditions.

To meet individual user requirements, the GMT 240H can be equipped with a number of available features and options, all of which extend its flexibility.

The GMT 240H can be used as a vehicular radio. Or, with the use of the PSI-10 power supply, the GMT 240H can be used as an attractive desk top base station. The entire unit takes up little more space than a telephone.

For portable use, the GMT 240H can be powered by the optional PSI-21 power pack.

Provisions are made within the GMT 240H for addition of an optional SA-1 subaudible tone encoder-decoder. This feature assures product compatibility with other tone systems and allows the receiver to be activated only in response to calls placed within your own system.

GMT 240H MOBILE RADIO 40W 143.9-173.4 MHz

Genave

LAND MOBILE PRODUCTS

®

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Genave's Land Mobile equipment includes the GMT 240H, as described on this sheet; GMT 240L low band, two channel, 30 watt transceiver; GMT 240U UHF, two channel, 15 watt transceiver; GMT 425SH, four channel, 25 watt scanner; GMT 425H four channel, 25 watt transceiver; GMT 1225H, 12 channel, 25 watt RCC; GHT 6H, six channel, 3 watt handheld transceiver; Ecom 220, two channel, 20 watt transceiver; and Ecom 4, four channel, 2 watt handheld transceiver.

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MADE IN US

SPECIFICATIONS

GENERAL

Front Panel Size:	6.5″ × 2.5″; (16.51 cm × 6.35 cm)
Over-all Dimensions:	10.5″ d × 6.5″ w × 2.5″ h; (26.67 cm × 16.51 cm × 6.35 cm)
Power Supply:	13.75 VDC Neg. Gnd., 11.5 V min.
Frequency Range:	143.9 to 173.4 MHz
Number of Channels:	2
Channel Separation:	max separation 1 MHz
Temperature Range:	−30°C to +60°C
Weight:	6 lbs. approx.; (2.72 kg)

TRANSMITTER

Power Output:	40 Watts typ., 35 Watts min.
Frequency Range:	143.9 to 173.4 MHz
Output Impedance:	50 Ohm
Audio Modulation Deviation:	5 KHz max.—4 KHz min.
Frequency Accuracy:	±200 Hz
Frequency Stability:	.0005%
Current Drain:	7 Amps

RECEIVER

Sensitivity:	0.25 μV for 12 db SINAD; less than 0.5 μV for 20 db quieting
Selectivity:	±7.5 KHz
Squelch Threshold:	0.2 μV
Modulation Acceptance:	More than 5 KHz
Adjacent Channel Rejection:	70 db min. @ ±25 KHz (EIA); 85 db for 20 db quieting
Intermodulation Response:	70 db min. (EIA)
Image Response:	65 db min. (EIA); 80 db for 20 db quieting
Spurious Response:	65 db min. (EIA); 80 db for 20 db quieting
Audio Output Power:	5 watts, 4 watts @ 15% distortion
Hum & Noise Level:	Better than 35 db below rated output
Frequency Accuracy:	±500 Hz
Frequency Stability:	.001%
Current Drain (Squelched):	0.2 Amps

ACCESSORIES

SA-1 CTCSS Sub-audible tone encoder-decoder
G-5 Hand microphone with plug, retractable cord
G-11 Desk microphone for use in systems with CTCSS
G-20 Telephone handset for use with system without CTCSS
G-21 Telephone handset for use with system with CTCSS
HRF-1 Dual cavity helical resonator
PSI-10 Regulated AC power supply for operation from 117V 50-60 Hz source
PSI-21 Power pack for portable operation
FA-2 Selective audio amplifier with notch filter; switchable from 2805 Hz to 1500 Hz
TE-1M Twelve digit alpha-numeric key entry DTMF encoder
LC-4 Vehicle DC power cord with connector
LC-5 Cigarette lighter vehicle DC power cord
SP-5 Auxiliary speaker for vehicles

GENERAL AVIATION ELECTRONICS, INC.
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(317) 546-1111
Telex 027-445

LAND MOBILE DEMONSTRATOR ORDER FORM

The Genave dealer is required to have a demonstrator system representative of Genave products. A minimum demonstrator investment includes two operating units on the same frequency. This form entitles the dealer to purchase demonstrator equipment at 50% off list price. Two of each model may be purchased at this price in a year's period. This order must be approved by an authorized Genave Sales Representative.

NOTE: Check here if new dealer _____. If the dealer applications is refused this order will be cancelled.

Date _____ P.O. # _____

Bill: _____ Ship: _____

_____ _____

_____ _____

_____ _____

_____ _____

Qty.	Model	Frequency	Tone	Price
_____	_____	T _____ R _____	_____	$ _____
_____	_____	T _____ R _____	_____	_____
_____	_____	T _____ R _____	_____	_____
_____	_____	T _____ R _____	_____	_____
_____	_____	T _____ R _____	_____	_____
_____	_____	T _____ R _____	_____	_____

Accessories

_____	_____	_____
_____	_____	_____
_____	_____	_____

TOTAL ORDER $ _____

_____ _____

Dealer Signature Representative Approval

SPECIFICATIONS

GMT 240PT 40W 145.5-174 MHz

GENERAL AVIATION ELECTRONICS, INC.
4141 Kingman Drive • Indianapolis, IN 46226
(317) 546-1111
Telex 027-445

LAND MOBILE DEMONSTRATOR ORDER FORM

The Genave dealer is required to have a demonstrator system representative of Genave products. A minimum demonstrator investment includes two operating units on the same frequency. This form entitles the dealer to purchase demonstrator equipment at 50% off list price. Two of each model may be purchased at this price in a year's period. This order must be approved by an authorized Genave Sales Representative.

NOTE: Check here if new dealer _____. If the dealer applications is refused this order will be cancelled.

Date _____ P.O. # _____

Bill: _____ Ship: _____

Qty.	Model	Frequency	Tone	Price
_____	_____	T _____ R _____	_____	$ _____
_____	_____	T _____ R _____	_____	_____
_____	_____	T _____ R _____	_____	_____
_____	_____	T _____ R _____	_____	_____
_____	_____	T _____ R _____	_____	_____
_____	_____	T _____ R _____	_____	_____

Accessories

_____	_____	_____
_____	_____	_____
_____	_____	_____

TOTAL ORDER $ _____

_____ Dealer Signature

_____ Representative Approval